

DOCUMENT RESUME

ED 093 893

95

SP 008 264

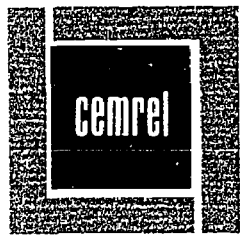
AUTHOR Johnson, Thomas J.
TITLE Review and Index to Research in Dance Relevant to Aesthetic Education, 1900-1968.
INSTITUTION Central Midwestern Regional Educational Lab., St. Ann, Mo.
SPONS AGENCY Office of Education (DHEW), Washington, D.C.
REPORT NO 02-1-0037
PUB DATE Nov 70
NOTE 148p.
EDRS PRICE MF-\$0.75 HC-\$6.60 PLUS POSTAGE
DESCRIPTORS Abstracts; Aesthetic Education; *Dance; *Educational Research; Indexes (Locaters); *Literature Reviews; Research

ABSTRACT

This study is a review of the social and behavioral science research covering the period 1900-1968 relevant to aesthetic education in the field of dance. The objectives of this study were to provide an overview of the state of the art, a summary of research findings, and an index to research studies. For purposes of this review, the articles researched were those dealing with dance in the educational levels of preschool through college. The study contains a description of the procedure used in the formulation of the summary and indexes, a rationale for the summary of research in dance, a summary of dance using a three-dimensional matrix, and an overview of the status of research in the field of dance. The appendixes include a list of contributing journals, author index, and KWIC index (listing according to significant words in the title). The KWIC index is cross referenced to the record index, which lists the documents according to identification number and which includes resumes if the document is relevant to the study as a whole. (JA)

ED 093893

BEST COPY AVAILABLE



Review and Index to Research in Dance Relevant to Aesthetic Education 1900-1968

U.S. DEPARTMENT OF HEALTH,
EDUCATION & WELFARE
NATIONAL INSTITUTE OF
EDUCATION
THIS DOCUMENT HAS BEEN REPRO-
DUCED EXACTLY AS RECEIVED FROM
THE PERSON OR ORGANIZATION ORIGIN-
ATING IT. POINTS OF VIEW OR OPINIONS
STATED DO NOT NECESSARILY REPRE-
SENT OFFICIAL NATIONAL INSTITUTE OF
EDUCATION POSITION OR POLICY

SP 008 364

ED 093893

REVIEW AND INDEX TO RESEARCH IN DANCE
RELEVANT TO AESTHETIC EDUCATION
1900-1968

Thomas J. Johnson

CEMREL, Inc.

SP008 264



Published by the Central Midwestern Regional Educational Laboratory, Inc., (CEMREL) a private non-profit corporation supported in part as a regional educational laboratory by funds from the United States Office of Education, Department of Health, Education and Welfare. The opinions expressed in this publication do not necessarily reflect the position or policy of the Office of Education, and no official endorsement by the Office of Education should be inferred.

Aesthetic Education Program
CENTRAL MIDWESTERN REGIONAL EDUCATIONAL LABORATORY, INC.
10646 St. Charles Rock Road
St. Ann, Missouri 63074
314-429-3535

November 1970

In any review of the research literature covering a large time period, or with a large corpus, it is easy to overlook studies which are directly related to the defined domain. It is also possible to omit annotations of significant research studies due to the ambiguity of titles and reporting, the biases of the reviewer and search errors, as well as constraints imposed by deadlines, and budgetary restrictions. Where omissions have occurred, we apologize. The reader is invited to submit an index entry form for any important citations omitted using the format outlined in Chapter 1. These additions will be incorporated into an updated revision of the review.

TABLE OF CONTENTS

Introduction	1
Procedure	5
Construction of the Index.	11
Rationale for the Summary of Research in Dance	19
Summary of Dance Type I.	28
Summary of Dance Type II	36
Summary of Dance Type III.	43
Summary of Dance Type VI	47
Overview of the Status of Research in the Field of Dance	53
Author Index	61
Key Word in Context Index (KWIC)	65
Record Index (RECID)	135

APPENDIX

Appendix A: List of Contributing Publishers	57
---	----

FIGURES

Figure 1.	Index Entry Form.	7
Figure 2.	Format of the Six Indexes	14
Figure 3.	Matrix Representation of Dance Type 1	29
Figure 4.	Matrix Representation of Dance Type 11.	37

INTRODUCTION

It is generally acknowledged that educational research and development efforts, instructional planning, and curriculum decisions need to be guided by significant and relevant knowledge from the social and behavioral sciences. It is also acknowledged that few programs are able to capitalize on all of the technology, knowledge, and information that may be available. In some instances the infrequent utilization of prior knowledge is due to the fact that the relevant information is located in fugitive documents, and is thus inaccessible to most users. In other instances information may be readily available but the research studies suffer from numerous major and minor methodological weaknesses so as to render their conclusions ambiguous except to those especially well qualified in research design and statistical inference.

While it is true that an individual researcher can consult the reviews of research that are periodically produced (c.f. AERA Reviews of Research) these reviews generally cover only a 3-5 year time period and thus any cumulative knowledge about an area is difficult to attain without considerable scholarship and retrospective search.

This study is a review of the social and behavioral science research covering the period 1900-1968 relevant to aesthetic education in the field of dance. The overall objectives of the

review were: a) to present an overview of the "state of the art," b) to provide a reliable and useful summary of the research findings, knowledge, and tests that are available, and c) to develop an index to these research studies that would insure that researchers, principals, teachers, curriculum supervisors and other educational personnel, might have ready access to any information relevant to dance as it relates to aesthetic education.

For purposes of this review, the articles researched were those dealing with dance in the educational levels of pre-school through college.

BEST COPY AVAILABLE

PROCEDURE

PROCEDURE

Before the actual search of the literature was begun, it was necessary to establish selection criteria and a set of procedures for the reviewing and reporting of relevant documents.

The selection criteria consisted of the following:

A. Included were:

- 1) articles related to the teaching of the "skill" of dance technique when these were not strictly physical education-oriented motor skill studies,
- 2) studies dealing specifically with kinesthesia, tests of kinesthesia, or kinesthesia as related to dance,
- 3) articles dealing with the communication of psychological aspects of aesthetics via dance, and
- 4) articles which had implications for the conduct of controlled research.

B. Excluded were:

- 1) dance therapy articles unless they included generalizations about the nature of dance or implications for its general use or teaching, and
- 2) dance studies not dealing with social and behavioral sciences.

The procedure adopted for annotation was to attempt to include all of the pertinent information necessary to give the reader a comprehensive overview of the particular document. A standard index entry form was developed which consisted of the following:

TITLE (T)	The actual title of the book, report, article, or other document.
AUTHOR (A)	The listed author or authors.
KEY WORDS (K)	The words which in addition to the title indicate the general nature and content of the document. These terms generally designated: A. Independent Variables B. Subject Parameters C. Response constructs
SOURCE (S)	The location of the original source document. In the case of a journal or magazine article this was the name of the publication in which it appeared, in the case of a book this was the publisher.
SUBJECT CATEGORY (C)	Terms indicating the general area or topic with which the document was concerned were recorded, e.g. "KINESTHESIA," "RHYTHMIC PRODUCTION," etc.
RESUME (R)	When the document was of possible specific relevance to this research work a brief descriptive annotation of the content was prepared. The annotation included the purpose, method, and result of the particular study.

An example of a completed entry form is given in Figure 1. As shown, the format was designed for ready capture by key punching or optical character typing.

As shown in Figure 1 all entries were assigned a record identification code (RECID) which was used as the basic integrating code for all indexes.

FIGURE 1
INDEX ENTRY FORM

Columns

1-8 8,10 11 - - - - - 80

REC'D CODE	CARD CODE	DOCUMENT INFORMATION
R052	TA	(TITLE) Effect of two regulated changes of tempo upon emotional connotations in dance
	AA	(AUTHOR) Hays, J. C.
	SA	(SOURCE) American Association for Health, Physical Education, and Recreation Research Quarterly, 38:389-97, October, 1967
	RA	(RESUME - Purpose/Method/Results)

Purpose: To examine the effect of two regulated changes of tempo upon emotional connotations in dance

Method: Films of a short dance study, performed and shown at three different tempos, to a control and an experimental group in order to determine emotional responses to the movement study at varied speeds, were analyzed to ascertain actual changes in the movement.

Results: Tended to enforce the concept that the effect of a change of tempo upon specific motion events was apparent in the actual performance of the motion events and upon the emotional connotation which these motion events might attempt to communicate. A single stimulus evoked similar associations, but the conformity of responses was dependent upon the individuals perceptive and empathic abilities. Variables in quality of movement, velocity of the specific body part viewed, and motivation may have caused variations in responses to the same motion-event series. The distortion of actual movement caused by a change of tempo and the lack of that distortion in a mechanically varied speed seemed to make little difference to viewers in terms of emotional association.

The actual search of the literature for the documents desired was accomplished by systematically reviewing the various educational and psychological indexes and journals from 1900 to 1968. Information from relevant articles was noted and included on index entry forms. The bibliographies of relevant articles were also noted and reviewed for purposes of obtaining additional sources of information.

BEST COPY AVAILABLE

CONSTRUCTION OF THE INDEX

CONSTRUCTION OF THE INDEX

After completion of the index entry forms for each document, the information on the forms was punched onto cards or typed in OCR (optical character reader) format. The information was then placed on tape and analyzed by computer to produce three bibliographic indexes.

The purpose of constructing different indexes is to attempt to arrange the entries according to different criteria which might serve as the basis for interrogation of the index. For example, an index which presents references according to author is of optimum utility only if the interrogator has prior knowledge of author or authors. To permit usage by naive interrogators, indexes based on key words in the title can be constructed and these will have optimum utility if the key words are augmented by other terms which are descriptive of the contents of the study.

The record identification code provides the mechanism for cross-referencing the bibliographic entries as they appear in different orders in the different indexes. The index based on the record identification code (RECID INDEX) is the only index which usually contains all of the information related to each entry. It is possible, to list all of the information for any index, but this is not economical for rapid searching and for identification of document references.

The three indexes were defined as given below. Examples of the indexes are given in Figure 2.

<u>CODE NAME</u>	<u>FUNCTION</u>
RECID	Each bibliographic item is listed once accordingly to the record identification code. They are arranged in numeric sequence. This index is the basic listing and therefore contains all information concerning each document.
AUTHOR	This listing is arranged alphabetically according to the author or authors name, therefore search of the entries is only readily performed only by direct knowledge of the author(s).
KWIC	This listing is made according to each significant word or words in the title as well as any additional key words which are descriptive of the document. The list is presented in alphabetic order. A document which had only a one word title is listed only once. A document which has a one word title and one key word is listed twice according to the alphabetic sequence. Consequently a document is

KWIC (continued) listed in this index as many times as
there are key words. The format of the
Index is given in Figure 2 and as shown
is essentially one of the Key-Word-In-Context.

FIGURE 2

FORMAT OF THE THREE INDEXES

1. RECID

R072***Rowen, B. J. R.

An exploration of the uses of rhythmic movement to develop aesthetic concepts in the primary grades

Dissertation Abstracts, 1966, 27, 2749-A

Purpose: To describe a program for primary grade children which aims to develop aesthetic concepts through body movement and expression.

Method: Action-study, grade 2

Results: The program is feasible and has positive effects upon the aesthetic awareness of the children and upon their overall developmental patterns, especially to components of rhythm and quality of sensory perception.

N073***Hurd, J. C.

The meaning of movement on the contemporary American stage

Dissertation Abstracts, 1966, 27, 3157-A

N074***Iden, M. A.

Substantive elements about human movement

Dissertation Abstracts, 1967, 28, 1694-A

2. AUTHOR

Hays, J. C.

R052

Henry, F. M.

R036

3. KWIC

FOR LEARNING DANCE MOVEMENT	MEASUREMENT OF CAPACITIES	R038
KINESTHESIS:	MEASUREMENT OF	R043
A REVIEW AND DISCUSSION:	MENTAL PRACTICE	R051
OF AUDITORY AND VISUAL	MOTOR: AN INVESTIGATION	R067
OF THE MOTION PICTURE	MOTOR: THE VALUE	R039
OF A FILM SERIES	MOVEMENT: CONSTRUCTION	R077
AND LEARNING-A MOTOR	MOVEMENT EXPERIENCES	R147
KINESTHETIC AND VISUAL CONTROL	MOVEMENTS: THE ROLE OF	R062

16 / 07

BEST COPY AVAILABLE

RATIONALE FOR THE SUMMARY OF RESEARCH IN DANCE

RATIONALE FOR THE SUMMARY OF RESEARCH IN DANCE

A summary of a large body of research is most useful if it provides a suitable conceptual framework for interpreting the findings of the individual studies, or if it provides insight into the cumulative "knowledge" in the area. Obviously a common format for the presentation of individual findings requires careful structuring and organization if the overall review is to have maximum utility. Ideally, a research summary should consist of a logically organized set of mutually exclusive categories into which individual studies or findings can be placed. At the same time the summary might suggest relationships between findings, point up the strengths and weaknesses of what has been, reveal new areas where research is needed, indicate the various methodologies that have been employed, and in general present a comprehensive overview of the state of knowledge in the given area.*

In attempting to review and summarize the research studies relevant to aesthetic education, two factors seem to be prepotent. First the topic or content of the study is important, and secondly the methodological treatment of that topic within the study is important. If a classification system is developed for all of the relevant topics in a given content area, these topics then can be arranged in a manner which might reveal some of the interrelationships between

*In the following sections of this chapter we have attempted such a classification. It is hoped that other researchers will try out alternative classification systems and that eventually some reasonable system for the storage of accumulated and standardized findings will be developed for this area of research.

the studies. Separate topic lists can be made for different methodological treatments such as surveys, correlational studies, controlled experiments, etc. and the reader might be able to examine the overall organization of studies in the given area.

The most difficult part of the organizational plan described above, is the development of a unified classification scheme for the organization for all of the relevant topics. This task can be simplified somewhat if it is assumed that the content of a study will fall into three main categories:

- 1) Content reflecting the important independent variables within the particular field of specialization which are manipulated or controlled in the study, e.g. visual movement, kinesthetic movement
- 2) Content reflecting the characteristics of individuals, i.e., subject parameters, which effect how they react to the independent variables, e.g. "functional intelligence," "Sensory motor training," etc.
- 3) Content reflecting the implicit or explicit response constructs, i.e., dependent variables, observed and measured in the study, e.g. "rhythmic production," "Kinesthesia," etc.

Since each of these three categories of content is essentially independent of the others, they may be combined and recombined in a number of ways to provide a reasonably flexible and concise method of presenting the content of the research

studies, as well as some important aspects of their methodological treatments.

The three classes of topics listed above may be combined to yield three different types of research summaries.

Type I: If all three classes of topics are treated simultaneously in research study, it can be classified as Type I. In this type of study, one or more independent variable parameters are varied, subject parameters are controlled by assignment to treatments, (or relevant characteristics of the subjects involved in the study are noted) and the variation in one or more of their responses is observed. This paradigm represents the "classical" type of empirical study in which an independent variable is carefully manipulated, and the response, or dependent variable, is observed and measured.

Type II: If only response relationships are considered in a study, it can be classified as Type II. In this type of research the correlation between two responses is investigated, and independent variables related to the responses, are not systematically varied.*

Type III: If only aspects of subject characteristics and their responses are considered in a study, it can be classified as Type III. In this type of study, the relationship between certain subject parameters and certain responses is the manifest objective of the research, and no systematic variation of any independent variable is noted.*

Type IV: Studies which do not readily fit into any of the above three types can be placed in Type IV. These studies are generally theoretical in nature, although they sometimes have methodological aspects. These studies can also be placed into a classification scheme and given an internal topical organization. In most instances, Type IV articles are theoretical in nature, although they sometimes treat methodological aspects.

In order to combine and display independent variable parameters, subject parameters and response constructs logically

*It should be noted that due to ambiguity in reporting it was not always easy to determine whether a particular study should be categorized as a Type II or Type III research study. In these special cases, the studies were categorized according to the assumed intent of the researcher(s).

and efficiently, a graph composed of two or three axes (dimensions) was constructed for reporting those Type I, II and III studies which were annotated in the RECID Index. Type IV studies were systematically categorized rather than graphically represented.

The categorization scheme for DANCE is defined as follows:

INDEPENDENT VARIABLE PARAMETERS

In this categorization scheme, consistent with most experimental design terminology, the parameters of an experimental situation which are directly controlled and manipulated by the experimenter are called independent variables. The magnitude of the effect of systematic variation of one or more independent variables on a specified dependent or response variable is measured by holding all other parameters of the experimental situation constant and/or randomized. Three parameter classifications and ten independent variable sub-categories relevant to research in dance are presented below.

A. STIMULUS PARAMETERS

- 1) Visual Movement - Movement provided by visual means, usually film, is controlled and manipulated to measure the magnitude of the effect of specific visual movement stimuli on specified response variables related to dance.
- 2) Kinesthetic Movement - Actual body movement by the subject is controlled and manipulated to measure the magnitude of the effect of specific kinesthetic movement stimuli on specified response variables related to dance.
- 3) Aural-Rhythmic Movement - Rhythmic movement, produced aurally through music, is controlled and manipulated to measure the magnitude of the effect of specific aural-rhythmic movement stimuli on specified response variables related to dance.

- 4) General Sensory Perception - Perception of general sensory input is controlled and manipulated to measure the magnitude of the effect of specific sensory perceptions on specified response variables related to dance.
- 5) Order and Organization of Stimuli - The order and organization of specified stimulus variables are controlled and manipulated to measure the magnitude of their effect on specified response variables related to dance.

B. TASK PARAMETERS

- 1) Training Treatments - Training treatments, e.g. instructions, schedules of reinforcement, types of reinforcement, procedural sequences, etc., are controlled and manipulated to measure the magnitude of the effect of specific training treatments on specified response variables related to dance.
- 2) Mode of Presentation - The mode or manner in which the stimuli are presented, e.g. loud-soft, fast-slow, bright-dim is controlled and manipulated to measure the magnitude of the effect on specified response variables related to dance.
- 3) Physical Setting - The physical setting, i.e., environment of the experimental situation, are controlled and manipulated to measure the magnitude of the effect of specific physical conditions on specified response variables related to dance.

C. GROUP PARAMETERS

- 1) Structure - The inherent structure of experimental groups, e.g. social, classroom stratification, superior and subordinate role positions etc., controlled and manipulated to measure the magnitude of the effect of specific group structure variables on specified response variables related to dance.
- 2) Cohesiveness - Group cohesiveness, i.e., stability of membership and objectives, is controlled and manipulated to measure the magnitude of the effect of specific group cohesiveness variables on specified response variable related to dance.

SUBJECT PARAMETERS

Subject parameters refer to the qualifications and characteristics that are required of subjects participating in any given experimental situation. There are nine subject-characteristic categories which have been emphasized in research in DANCE listed below.

- A) Unspecified - No information reported concerning required subject characteristics for a particular research study.
- B) Physiological - Genetically determined characteristics, e.g. sex, age, weight, race, etc.
- C) Intellectual Cognitive - Clearly distinguishable and measureable intellectual abilities and skills.
- D) Educational Training - Attained level of formal instruction or specialized training.
- E) Cultural Background - Major institutional and social patterns attributable to a defineable group of people, i.e., common customs expected standards of behavior and formal organization of the community (e.g. Urban/non-Urban)
- F) Sensory-Motor Training - Attained level of specialized training in dance and dance related movements.
- G) Personality Variables - Sex-typing, identification, moral development, social attitudes.
- H) Affective-Emotional Variables - Love, security, happiness, anger, anxiety, fear.
- I) Motivational Variables - Goal expectancies, energizing, sensitizing and directional factors, reward and punishment outcomes.

DEPENDENT VARIABLES

In this categorization scheme, consistent with most experimental design terminology, behaviors which are observed and

measured to determine whether they are related to or associated with other systematically controlled and manipulated variables, are called dependent or response variables. There are three response construct classifications and nine dependent variable sub-categories which have been emphasized in research dealing with DANCE, listed below.

A. PRODUCTIVE

- 1) Rhythmic - Organized patterns of flow are observed and measured as a response construct
- 2) Kinesthetic - Postural or positional productions are observed and measured as a response construct.
- 3) Gross Motor - General motor coordination is observed and measured as a response construct
- 4) Originality - Unusual extemporaneous executions of productions are observed and measured as response constructs

B. COGNITIVE-PERCEPTUAL

- 1) Kinesthesia - Awareness or perception of bodily position is observed and measured as a response construct.
- 2) Evaluation-Criticism - Ratings, rankings, judgments, comparisons, etc. are observed and measured as response constructs.
- 3) Background Knowledge - Demonstrable knowledge of stimulus is observed and measured as a response construct.

C. AFFECTIVE-EMOTIONAL

- 1) Preference - Choices, attitudes, prejudices, etc. are observed and measured as response constructs.
- 2) General Emotional Behavior - Aggression, tension, stress, anxiety, fear, laughter, etc., are observed and measured as response constructs.

26/27

SUMMARY OF DANCE TYPE I

Figure 3 is a three-dimensional matrix for type 1 studies of Dance. The independent variable parameters are represented along the rows, the dependent variable parameters are represented along the columns and the subject parameters are listed at the bottom of the page. Each subject parameter was assigned a corresponding letter "A" through "I" respectively. The letters are integrated into the matrix within the cells, to locate and denote any annotated study according to the explicit dimensions employed. The number beside each letter in the cells indicates the number of studies which utilized identical types of parameters and response constructs.

FIGURE 3

MATRIX REPRESENTATION OF DANCE TYPE 1

		DEPENDENT VARIABLES									
		RESPONSE CONSTRUCTS									
		RHYTHMIC	KINESTHETIC	GROSS MOTOR	ORIGINALITY	KINESTHESIA	EVALUATION CRITICISM	BACKGROUND KNOWLEDGE	PREFERENCE	GENERAL EMOTIONAL	TOTAL FREQUENCY
STIMULUS PARAMETERS	VISUAL MOVEMENT	1 _e		1 _e			1 _d	1 _a			4
	KINESTHETIC MOVEMENT		1 _b					2 _a			3
	AURAL-RHYTHMIC MOVEMENT	1 _e	1 _a	1 _e		1 _b 1 _d		2 _a		1 _a	8
	GENERAL SENSORY PERCEPTION					1 _a 1 _b 1 _d					3
	ORDER & ORGANIZATION OF STIMULI										0
TASK PARAMETERS	TRAINING TREATMENTS							3 _a			3
	MODE OF PRESENTATION		1 _a							1 _a	2
	PHYSICAL CONDITIONS					1 _a				1 _a	2
GROUP PARAMETERS	STRUCTURE	1 _e		1 _e							2
	COHESIVENESS										0
TOTAL FREQUENCY		3	3	3	0	6	1	8	0	3	

SUBJECT PARAMETERS:

- a) Unspecified
- b) Physiological
- c) Intellectual/Cognitive
- d) Educational Training
- e) Sensory-Motor Training
- f) Cultural Background
- g) Personality Variables
- h) Motivational Variables
- i) Affective-Emotional

15
3
0
3
6
0
0
0
0
0

TOTAL FREQUENCY

GENERAL SUMMARY DANCE TYPE I

An examination of figure 3 indicates that type 1 studies of dance have concentrated on the independent variables of physical movement, i.e. "visual," "aural-rhythmic," and "Kinesthetic," while the subject parameters of physiology, educational training and "sensory-motor training" were emphasized. There appears to be equal attention given to most response constructs, although background knowledge and kinesthesia were the response constructs measured and observed most frequently. It is interesting to note that measurement and observation of "originality" and "affective preference" did not appear to be of interest in any of these studies.

SUMMARY OF FINDINGS TYPE I

The usefulness of the matrix graphical approach to summarizing the number of studies in various areas suggests that this approach also might be applied to organizing the presentation of the findings of these studies. That is, the findings may be organized according to the response constructs used in the preceding graph of independent variables, subject parameters and dependent variables. This will not only provide a clear organizational framework, but will also, in a sense, make the written summary "compatible" with the methods used, so that observations and comparisons may be more easily made about the relation between the number of studies and the extent of their findings in a given area.

ResponseFindings

Rhythmic Production

Kinesthetic Production

Accuracy of arm movement reproduction is affected by the type of stimulus control, which is mental, and increases with age.
(Khomenko, K. E., 1962, R062)

(also general
emotional)

Films of a short dance study, performed and shown at three different tempos, were presented to an experimental and control group with the result that the effect of a change in tempo upon specific motion events was apparent in the actual performance of the motion events, and upon the emotional connotation which these events communicate.
(Hays, J. C., 1967, R052)

Gross Motor
Production
(also rhythmic)

When a group of varsity athletes, a group of dance majors, and a control group (no experience) were stimulated with auditory and visual rhythms, gross motor behavior was not found to be affected by either stimulus, motor performance was significantly different in favor of the experimental groups, and it was concluded that perception is not highly related to motor rhythm performance.

(Huff, J., 1967, R067)

Creative Production

Kinesthesia

An action-study program designed to develop aesthetic concepts through body movement and expression was found feasible in the primary grades. The children were most responsive to components of rhythm and sensory perception.

(Rowen, B. J. R., 1966, R072)

In a dynamic test of the accuracy of kinesthetic judgment as a response to a changing situation in the absence of perceptual discrimination, blindfolded subjects responded in over-all integrated bodily movements rather than adjustments of small muscle groups.

(Henry, R. M., 1953, R036)

Evaluation

In an analysis of how dance communicated through movement, samples of student choreographed dance studies were filmed and judged and evaluated by a trained jury, with substantial agreement on the emotions communicated by each composition.

(Turner, M. J., 1963, R082)

Background Knowledge

In a study to determine whether motion and time can be conveyed more effectively by film, a motion picture was shown to an experimental group, while non-film instruction was given to a control group. There was a more consistent rate of improvement with the movie, especially after a short practice period.

(Lockhart, A., 1944, R039)

In a study designed to compare the effects of bodily movement activity to general music activity, it was found that the experimental treatment, i.e. music activity with bodily movement activity, reduced shyness, increased venturesomeness, hindered creativity and music interest.
(Fardig, S. P., 1966, R070)

Aesthetic attitude changes resulted when an experimental group of subjects was given a correlated program of instruction in art, music, and modern dance. A control which did not experience such instruction did not experience such changes.
(Miles, J. B., 1962, R141)

Preference

General Emotional

In a series of experiments, environments were devised for an audience to experience. Each was centered on a single theme. These environments were concluded to have the value of creating a theatrical product where everything is experienced as if for the first time.
(Anderson, J., 1968, R035)

SUMMARY OF DANCE TYPE 11

Figure 4 is a two-dimensional matrix for Type II DANCE studies which examined the relationships between response constructs. As will be seen, only half of the matrix is considered, as the second half would be a mirror image of the first. The frequencies are the number of times the elements of the dimension were utilized by the studies of this type; they do not necessarily represent numbers of actual studies.

FIGURE 4

MATRIX REPRESENTATION OF DANCE TYPE II

	RESPONSE CONSTRUCTS								
	RHYTHMIC	KINESTHETIC	GROSS MOTOR	CREATIVE	KINESTHESIA	EVALUATION	BACKGROUND KNOWLEDGE	PREFERENCE	GENERAL EMOTIONAL
RHYTHMIC									
KINESTHETIC									
GROSS MOTOR					1		1		
CREATIVE									
KINESTHESIA									
EVALUATION									
BACKGROUND KNOWLEDGE									
PREFERENCE									
GENERAL EMOTIONAL									
TOTAL FREQUENCY	0	0	0	0	1	0	1	0	0

GENERAL SUMMARY OF DANCE TYPE 11

As indicated in figure 4, there has been little relevant research conducted in relating the response constructs of dance as they are defined in this review. What research there was, placed the emphasis on the perceptual correlates of "gross motor production."



SUMMARY OF FINDINGS TYPE 11

<u>Response</u>	<u>Findings</u>
Gross Motor Production with Background Knowledge	An aesthetic sense of self-knowledge can be correlated with an increase in body freedom and control. (Jacobson, V., 1966, R147)
Gross Motor Production with Kinesthesia	In an investigation of the predictive possibilities of kinesthetic tests, it was found that kinesthetic perception is related to modern dance ability and production. (Frial, P. I. S., 1965, R079)

SUMMARY OF DANCE TYPE 111

GENERAL SUMMARY OF DANCE TYPE 111

As no studies were relevant for this methodological type, no summary or resume of the finds can be offered here.

SUMMARY OF DANCE TYPE IV

DANCE TYPE IV

Those studies which could not be placed in the three previous categories were placed into this methodological type. This type does not represent a distinct methodology, although it represents research that is somewhat theoretical in nature. Six categories were found feasible for this material. The following is a brief explanation of each category with sample titles and findings given for illustrative purposes.

Category 1

Studies of Dance Measures and Tests - Problems of developing reliable, valid measures of dance constructs.

Sample Titles - "The development of a test of rhythmic response through movement of first grade children," "Measurement of modern dance techniques," "A study of the reliability of a rhythm test and the relationship of past rhythmic experience to present rhythmic ability."

Findings - A film series for teachers of elementary school children was constructed which used the components of time and space in the demonstration of movement education in a tag game situation.

(Tillotson, J. S., 1965, R077)

Poor results were obtained when an attempt was made to establish a test for the measurement of kinesthesia. The low number of significant intercorrelations between the various measures prompted the conclusion that kinesthesia may be composed of a series of specific functions.

(Scott, M. G., 1955, R043)

In a comparison of measures obtained by already existing tests, and ratings of dance skill by judges, it was concluded

that capacities for learning skill in dance movement techniques after instruction may be measured fairly accurately by already existing tests.

(Benton, R., 1944, R038)

A gross motor rhythm test was developed which was found unseable across folk, square, and modern dance.

(Ashton, D., 1953, R030)

Category II

Studies of New Criteria - Problems of choosing criteria for valid measurement of dance performance.

Sample Titles - "Abstraction of a dance movement," "The organization of sequences of action in man," "Exploring movement experiences."

Findings - In an attempt to identify the component factors of non-literal modern dance, it was found that non-literal modern dance differs considerably from traditional modern dance in its conception, development, and basic philosophy.
(Turner, M. J., 1965, R149)

Category III

General Theory - Research proposals and theories of dance.

Sample Titles - "Theory and techniques for motivating choreographic expression on secondary and college levels," "Movement and meaning: Development of a general theory," "Appia's theory of acting: eurhythimics for the stage."

(No relevant findings annotated)

Category IV

General Review - Reviews and criticisms of past research.

Sample Titles - "Mental practice: a review and discussion," "Research related to dance as a discipline," "Recent studies in dance."

Findings - In a review of research related to dance as a discipline, such areas as the development of creativity in modern

dance, kinesthetic perception and movement capacity, ritualistic dance-drama in primitive societies, and the influences of creative arts laboratory on personality characteristics of college students were covered.

(Smith, N. W. (ed.), 19 , R034)

In a review of the relation of mental practice to performance and individual differences in amount of gain, it was concluded that mental practice is associated with improved performance, bilateral transfer effects, aids physical practice in acquisition. Imagining ability, and the capacity for selective attention show a significant relation to the amount of gain from mental practice.

(Richardson, A., 1967, R051)

Category V

Discussions of Instruction - Guidelines and suggestions for effective instruction related to dance.

Sample Titles - "Teaching geometry through creative movement," "An evaluation of dance programs in the intermediate grades," "Guidelines for effective modern dance lecture demonstrations."

(No relevant findings annotated)

Category VI

Bibliography - Bibliographical summaries of research in dance.

Sample Title - "Dance research, reference materials with suggestions for future research."

(No relevant findings annotated)

GENERAL SUMMARY DANCE TYPE IV

Almost half of these studies have concentrated on the aspects of movement in dance developing criteria of movement and the means of their measurement. It was also observed that instructional means of stimulation, especially types of training and ways of motivating choreographic expression in students, has found inordinate interest in this "methodological" type.

OVERVIEW OF THE STATUS OF RESEARCH
IN THE FIELD OF DANCE

OVERVIEW OF THE STATUS OF RESEARCH IN THE FIELD OF DANCE

The major reference works consulted included Education Index, Psychological Abstracts, and Dissertation Abstracts. Education Index provided relevant materials, as did Dissertation Abstracts until the subject index terminated with Volume 22 (1962). Psychological Abstracts contained almost nothing of relevance, yielding from 0-5 articles out of approximately 100 entries per year. Furthermore, no category "dance" appears in the index and those items which were regarded as relevant were in peripheral areas. Other references volumes consulted, including Sociological Abstracts and Social Science and Humanities Index, offered no yield at all. The Guide to the Performing Arts offered two relevant suggestions over about a decade. Tests in Print contained no tests related to dance, nor was Masters Theses in Education helpful. The bibliographic series Research Studies in Education covering the years 1941-1966 offered some relevant items, although these entries were located in Dissertation Abstracts. There were a few reference volumes which were unable to be located which might have been helpful, Dance Index in particular.

The recent issues of the major dance periodicals, including Dance Scope, Dance Observer, Dance Perspectives, Dance Magazine, The Laban Art of Movement Guild Magazine, and Impulse which contained the largest amount of relevant items. Educational Dance, might have been profitable, but it could not be located.

Before the late 1940's, there were very few relevant articles, dissertations, or theses in the literature searched. The decade beginning with 1950 produced an increase in related articles which continued through the period of this review. Although 1968 appears to begin a decline in this output, it is too early to say that this is a new trend.

APPENDIX A

LIST OF CONTRIBUTING PUBLICATIONS

LIST OF CONTRIBUTING PUBLICATIONS

Academic Therapy Quarterly
ACTA Psychologica Sinica
American Journal of Occupational Therapy
Annee Psychologique
Arithmetic Teacher
British Journal of Educational Psychology
Ceskoslovenska Psychiatrie
Claremont Reading Conference Yearbook, 1966
College Physical Education Association Proceedings, 1956
Dance Magazine
Dance Observer
Dance Scope
Dissertation Abstracts
Doklady Akademii Pedagogicheskikh Nauk
Educational Leadership
Educational Theatre Journal
Exceptional Children
Impulse
Instructor
Journal of American Association for Health, Physical Education, and Recreation
Journal of General Psychology
Journal of Genetic
Journal of Psychology

Laban Art of Movement Guild Magazine

Magyar Pszichologiai Szemle

Music in Education

National Association for Physical Education of College Women Report:
1964 Workshop of Aesthetics and Human Movement

Pedagogisk-Psykologiska Problem

Perceptual and Motor Skills

Psychological Abstracts

Report of the 39th Annual Conference of the Western Society of Physical
Education of College Women

Research Quarterly

Research Quarterly of American Association for Health, Physical
Education, and Recreation

Review of Educational Research

School Arts

Studies in Art Education

Teachers College Record

Theory into Practice

Times Educational Supplement

Voprosy Psikhologii

49th Yearbook, University of Chicago Press, 1950

Zhurnal Vyssei Nervnoi Deyatel'nosti

AUTHOR INDEX

AUTHOR INDEX

Albert	N108	Hanna	N019
Anderson	R035	Hanson	N066
Ashton	N008	Harmon	N003
Ashton	R030	Hatfield	N010
Ayers	N106	Hawkins	N139
Bayley	N047	Hawkins	N022
Beisman	N050	Hayes	N130
Belew	N113	Hays	R052
Benton	R038	Heinlein	N144
Blake	N002	Henry	N132
Blatt	N095	Henry	R036
Bond	N125	Hogarth	N104
Bozymowski	N085	Horner	N145
Bretz	N022	Howland	N128
Bushey	N016	Hubbard	N090
Calhoun	N086	Hubbard	N134
Carter	N078	Huff	R067
Chace	N029	Hurd	N073
Chiu	N057	Hussey	N142
Clark	N109	Iden	N074
Clark	N017	Ingram	N121
Clark	N045	Ivanov	N037
Clifton	N006	Jacobson	R147
Complo	N099	Jensen	N110
Cope	N123	Jones	N066
Coppock	N081	Judd	N143
Corbin	N146	Kellogg	NC07
Cumbee	N084	Kennedy	N135
Davies	N088	Khomenko	R062
Doss	N111	Kleinman	N138
Dunlap	N116	Kraus	N127
Egstrom	N102	Kurtz	N114
Ellfeldt	N089	Le Vasseur	N020
Espenschade	N047	Lee	N124
Estep	N087	Lehnhoff	N094
Fardig	R070	Leibowitz	N025
Fischer	N013	Lemon	N053
Fraise	N065	Lidstone	N140
Frial	R079	Lindquist	N045
Gaier	N048	Lippincott	N027
Ganslen	N133	Little	N080
Genther	N021	Lockhart	N031
Glassow	N049	Lockhart	R039
Gray	N066	Marshall	N145
Groves	N076	Mayo	N105
Hackett	N055	McCulloch	N126

Metheny	N089	Stish	N054
Mettler	N028	Stroup	N060
Miles	R141	Sweigard	N042
Mohr	N064	Sweigard	N011
Montague	N119	Thorsen	N040
Moomaw	N075	Tiffany	N137
Murrel	N009	Tillotson	R077
Myers	N001	Torrance	N041
Myers	N001	Turner	R082
Nikolais	R032	Turner	R149
North	N015	Twining	N044
North	N014	Vandell	N148
O'Connell	N066	Vandenberg	N113
Oleron	N065	Varjasi	N056
Oxendine	N003	Vitalone	N120
Paillard	N065	Wallace	N112
Painter	N103	Walters	N059
Pielstick	N060	Wiebe	N083
Pillsbury	N129	Wiechel	N012
Ragsdale	N136	Williams	N018
Richardson	R051	Withers	N107
Richardson	N118	Witte	N063
Robbin	N093	Witte	N004
Rogers	N097	Wunderlich	N096
Rokotova	R033		
Roloff	N092		
Rosen	N046		
Rosentswieg	N100		
Rowen	R072		
Ryan	N005		
Samuelian	N068		
Schuman	N069		
Scott	R043		
Sebree	N115		
Shang-Hsia	N058		
Sheets	N098		
Sheets	N101		
Sherbon	N053		
Simpson	N091		
Slusher	N024		
Smith	N006		
Smith	N085		
Smith	N131		
Starke	N117		
Start	N061		

KWIC INDEX

KWIC INDEX

<u>Abilities</u>	A study of the development of rhythmic abilities in first grade children.	N117
	Effect of a rhythmic and sensory motor program on perceptual motor spatial abilities of kindergarten children.	N103
<u>Ability</u>	A study of reliability of a rhythm test and the relationship of past rhythmic experience to present rhythmic ability.	N115
	Relationship between selected postural divergencies and motor ability.	N088
	Motor ability and creativity. Unrelated.	N060
	Comparison of motor creativity with verbal creativity motor ability and intelligence.	N071
	A study of the relationship of certain measures of rhythmic ability and motor ability in girls and women.	N053
	Measures of motor ability before and after participation in a high school dance class.	N106
	Relationship of static equilibrium to ability in motor activities.	N087
<u>Abstraction</u>	Prediction of modern dance ability through kinesthetic tests.	R079
	The meaning of movement on the contemporary American stage. Abstraction. Mimesis. Metaphor. Symbol.	N073
	Abstraction of a dance movement. Lecture demonstration locomotor source.	N027
<u>Accompaniment</u>	Effect of rhythmic accompaniment upon learning of fundamental motor skills.	N050
<u>Accompanying</u>	Sensory factors involving control of movements accompanying periodic stimuli. Sound.	N065

<u>Achievement</u>	Creativity Intelligence and achievement in motor skills.	N048
<u>Acquisition</u>	Functions of mental practice in acquisition of motor skills.	N148
<u>Acting</u>	Appias theory of acting eurhythmics for the stage. Dalcroze	N097
<u>Action</u>	Organizatsiya posledovatel nosti deistvii U cheloveka. The organization of sequences of action in man. Motor acts.	R033
	Action research in rhythmic testing.	N008
<u>Action-Study</u>	An exploration of the uses of rhythmic movement to develop aesthetic concepts in the primary grades. Action-Study.	R072
<u>Activities</u>	An investigation of auditory and visual perception of rhythm and its relation to skill in selected motor activities.	R067
	How children learn the motor types of activities.	N136
	Relationship of static equilibrium to ability in motor activities.	N087
<u>Activity</u>	Effect of verbal instruction on athletic activity.	N057
	Razvitie vospriyatiya i deyatel nost Activity and perceptual development.	N023
	Effect of a rhythmic and sensory motor activity program on perceptual motor-spatial abilities of kindergarten children.	N103
	Effect of a kinesthetic-rhythm activity to music on selected aspects of behavior.	R070
	The contributions of activity to skill learning.	N064

<u>Acts</u>	The organization of sequences of action in man. Motor acts.	R033
<u>Adaptance</u>	Apropos of the types from the point of view of social adjustment of the child. Personality. Motor-skill. Qualitative.	N013
<u>Adjustment</u>	Dynamic kinesthetic perception and adjustment.	R036
	The effect of movement on the adjustment and coordination of a selected group of first grade children.	N120
<u>Advice</u>	Youth advice bureau. Vocational guidance. Movement. Assessment.	N014
<u>Aesthetic</u>	An exploration of the uses of rhythmic movement to develop aesthetic concepts in the primary grades. Action-study.	R072
	Aesthetic learning through experiences in a correlated program of instruction in art, music and modern dance.	R141
	Movement experiences and learning a motor development program for young children. Perception. Aesthetics experience review.	R147
<u>African</u>	African dance as education. Cultural	N019
<u>Age</u>	The role of kinesthetic and visual control in the movements performed by children of secondary school age.	R062
<u>Aggressive</u>	An exploratory study of the use of creative rhythmic movement experiences in helping aggressive children.	N109
<u>Agility</u>	Relationship of modern dance performance to agility balance, flexibility, power and strength.	N016
<u>Alexander</u>	For the victims of our culture the Alexander Technique. Kinesthetic physiology.	N025

<u>Alignment</u>	A simplified technique for teaching body alignment in standing its application and evaluation.	N128
<u>American</u>	The meaning of movement on the contemporary American stage. Abstraction mimesis metaphor symbol.	N073
<u>Analysis</u>	The kinesiological analysis of five selected modern dance warm-ups.	N112
	Factorial analysis of motor co-ordination body-balance perception.	N084
<u>Anatomy</u>	Modern dance and kinesiology.	N049
<u>Anecdotes</u>	Commentary on creative dance in elementary schools with filmed anecdotes.	N124
<u>Appias</u>	Appias theory of acting eurhythmics for the stage dalcroze.	N097
<u>Application</u>	A simplified technique for teaching body alignment in standing its application and evaluation.	N128
<u>Approach</u>	The significance of human movement a phenomenological approach.	N138
	Self-evaluation on approach. Uniqueness. Capabilities.	N094
<u>Art</u>	Experiences in movement, art and dance.	N045
	Aesthetic learning through experiences in a correlated program of instruction in art, music and modern dance.	R141
<u>Aspects</u>	Effect of a kinesthetic-rhythm activity to music on selected aspects of behavior.	R070
	Verbal aspects of dance. Taxonomy.	N026
	Psychological aspects of human movement and perception.	N134

<u>Aspects</u>	Kinesiological aspects of sport.	N133
<u>Assessment</u>	Youth advice bureau vocational guidance movement assessment.	N014
<u>Athletes</u>	Study of tests of kinesthesia. Specific athletes.	N083
<u>Athletic</u>	Effect of verbal instruction on athletic activity.	N057
<u>Attitude</u>	Effect of attitude toward warm-ups on motor performance.	N085
<u>Audience</u>	Importance of audience participation in dancing.	N135
<u>Audio-Perceptual</u>	Relationship between audio-perceptual rhythm and skill in square dancing.	N002
<u>Auditory</u>	A study in non-verbal communication exploration of visual auditory and kinesthetic responses in three groups, one blind, two deaf, three normal.	N123
	An investigation of auditory and visual perception of rhythm and its relation to skill in selected motor activities.	R067
	Development and validation of an objective measure of locomotor response to auditory rhythmic stimuli dancers rhythmeter.	N091
<u>Balance</u>	Relationship of modern dance performance to agility balance, flexibility power and strength.	N016
	Sensory perception of the motor skilled kinesthesia balance hearing, sight, touch.	N100
	An experimental study of the effect of head balance on patterns of posture and movement in man.	N066

<u>Balance</u>	Selected kinesthetic and psychological differences between the highly skilled in dance and sports. Balance-Personality-Assessment Time-Estimation Characteristics.	N078
	Better dancing through better body balance posture Julliard Posture Laboratory.	N042
	Factorial analysis of motor co-ordination, balance, tempo, two-handed agility, speed, co-ordination, body-balance perception.	N084
<u>Ballroom</u>	A study of the unique contributions of ballroom, folk, modern, and tap dance to the development of certain traits in college women.	N111
<u>Basic</u>	Basic dance and sensory perception.	R032
<u>Begin</u>	A place to begin. Therapy.	N021
<u>Behavior</u>	Effect of a kinesthetic-rhythm activity to music on selected aspects of behavior.	R070
<u>Biology</u>	The biology of esthetics. Universality forms inherent.	N007
<u>Blind</u>	A study in non-verbal communication exploration of visual auditory and kinesthetic responses in three groups, one blind, two deaf, three normal.	N123
<u>Body</u>	A simplified technique for teaching body alignment in standing its application and evaluation.	N128
	Better dancing through better body balance Julliard Posture Laboratory.	N042

<u>Body</u>	Body structure and design factors in the motor performance of college women.	N040
<u>Body-balance</u>	Factorial analysis of motor co-ordination balance tempo two-handed-agility speed co-ordination body-balance perception.	N084
<u>Body-movement</u>	Slow learners and rhythm.	N093
<u>Capabilities</u>	Self-evaluation one approach. Uniqueness.	N094
<u>Capacities</u>	The measurement of capacities for learning dance movement techniques.	R038
<u>Career</u>	Teaching dance as a career.	N121
<u>Changes</u>	Effect of two regulated changes of tempo upon emotional connotations in dance. Film.	R052
<u>Characteris- tics</u>	Movement portraits. Children characteristics.	N015
	Selected kinesthetic and psychological differences between the highly skilled in dance and sports. Balance personality-assessment, time-estimation characteristics.	N078
<u>Chart</u>	Seven guides to creativity. Chart.	N041
<u>Child</u>	Dance for the deaf child.	N009
	Rhythm tests for the pre-school child.	N118
	Rhythmic responsiveness of normal elementary school children an investigation of the developmental difference in the rhythmic responsiveness of the normal child when a rhythmic stimulus is utilized as contrasted with a musical stimulus. Spontaneous-rhythm physical-movement film.	N095

<u>Children</u>	A study of the development of rhythmic abilities in first grade children.	N117
	An exploratory study of the use of creative rhythmic movement experiences in helping aggressive children.	N109
	Effect of a rhythmic and sensory motor activity program on perceptual motor-spatial abilities of kindergarten children.	N103
	Relation of kinesthetic perception to a selected motor-skill for elementary school children.	N004
	The development of a test of rhythmic response through movement of first grade children.	N126
	The effect of movement on the adjustment and coordination of a selected group of first grade children.	N120
	Rhythmic responsiveness of normal elementary school children an investigation of the developmental difference in the rhythmic responsiveness of the normal child when a rhythmic stimulus is utilized as contrasted with a musical stimulus spontaneous-rhythm physical-movement film.	N095
	Movement portraits. Children Characteristics.	N015
	Children consider the dance program. Responses.	N142
	How children learn the motor types of activities.	N136
	The role of kinesthetic and visual control in the movements performed by children of secondary school age.	R062

<u>Children</u>	Movement experiences and learning a motor development program for young children. Perception aesthetics experience review.	R147
	A new method of studying the rhythmic responses of children together with an evaluation of the method of simple observation. Illusion.	N144
	Relation of kinesthetic perception to a selected motor skill for elementary school children. Unrelated.	N063
<u>Choreographic</u>	Theory and techniques for motivating choreographic expression on secondary and college levels.	N130
	A study of modern dance in relation to communication choreographic structure and elements of composition.	R082
<u>Choreography</u>	The role of the computer.	N020
<u>Class</u>	Measures of motor ability before and after participation in a high school dance class.	N106
<u>Classroom</u>	Video-tape a medium for the teaching of dance classroom.	N010
<u>College</u>	The interdivisional program in dance at teachers college.	N127
	Theory and techniques for motivating choreographic expression on secondary and college levels.	N130
	A study of the unique contributions of ballroom, folk, modern, and tap dance to the development of certain traits in college women.	N111
	Body structure and design factors in the motor performance of college women.	N040
<u>Comment</u>	Comment movement and meaning development of a general theory.	N090

<u>Commentary</u>	Commentary on creative dance in elementary schools with filmed anecdotes.	N124
<u>Communication</u>	Non-literal modern dance. Its nature forms and means of communication.	R149
	A study of modern dance in relation to communication choreographic structure and elements of composition.	R082
	A Study in non-verbal communication exploration of visual auditory and kinesthetic responses in three groups, one blind, two deaf, three normal.	N123
<u>Comparison</u>	Comparison of motor creativity with verbal creativity motor ability and intelligence.	N071
<u>Complex</u>	The effects of covert rehearsal on the development of a complex motor skill.	N146
<u>Composition</u>	A Study of modern dance in relation to communication choreographic structure and elements of composition.	R082
<u>Computer</u>	The role of the computer. Choreography	N020
<u>Concept</u>	Viewing oneself performing selected motor skills in motion pictures and its effect upon expressed concept of self in performance.	N006
<u>Concepts</u>	An exploration of the uses of rhythmic movement to develop aesthetic concepts in the primary grades action-study.	R072
	Concepts related to the development of creativity in modern dance. Process product environment person.	N080
<u>Conceptualizing</u>	The effects of an emphasis on conceptualizing techniques during early learning of a gross motor skill. Mental-practice.	N102

<u>Conditions-of</u>	The role of phenomenal experience in motor learning. Physical-execution conditions-of.	N069
<u>Conduct</u>	Principles for the establishment and conduct of programs of dance for senior high school girls.	N086
<u>Conjunction</u>	A Study in the use of movement education in conjunction with psycho-drama in group psycho-therapy.	N113
<u>Connotations</u>	Effect of two regulated changes of tempo upon emotional connotations in dance. Film.	R052
<u>Consider</u>	Children consider the dance program. Responses.	N142
<u>Construction</u>	Construction of a film series. Movement education in physical education	R077
<u>Contemporary</u>	The meaning of movement on the contemporary American stage.	N073
<u>Contrasted</u>	Abstraction mimesis metaphor symbol Rhythmic responsiveness of normal elementary school children an investigation of the developmental difference in the rhythmic responsiveness of the normal child when a rhythmic stimulus is utilized as contrasted with a musical stimulus. Spontaneous-rhythm physical-movement film.	N095
<u>Contributions</u>	The contributions of activity to skill learning. A study of the unique contributions of ballroom, folk, modern, and tap dance to the development of certain traits in college women.	N064
<u>Control</u>	The role of kinesthetic and visual control in the movements performed by children of secondary school age. Sensory factors involving control of movements accompanying periodic stimuli, sound.	R062 N065

<u>Coordination</u>	Coordination and motor learning.	N132
	The effect of movement on the adjustment and coordination of a selected group of first grade children.	N120
<u>Correlated</u>	Aesthetic learning through experiences in a correlated program of instruction in art, music and modern dance.	R141
<u>Covert</u>	The effects of covert rehearsal on the development of a complex motor skill.	N146
<u>Co-Ordination</u>	Factorial analysis of motor co-ordination, balance, tempo, two-handed-agility, speed co-ordination, body-balance perception.	N084
<u>Creative</u>	Commentary on creative dance in elementary schools with filmed anecdotes.	N124
	Teaching geometry through creative movement.	N099
	An exploratory study of the use of creative rhythmic movement experiences in helping aggressive children.	N109
<u>Creativity</u>	Seven guides to creativity. Chart.	N041
	Concepts related to the development of creativity in modern dance process product environment person.	N080
	On creativity. Individuals traits.	N001
	Creativity intelligence and achievement in motor skills.	N048
	Comparison of motor creativity with verbal creativity motor ability and intelligence.	N071
	Measuring the creativity of modern dancers.	N107
	Motor ability and creativity. Unrelated.	N060
<u>Cultural</u>	African dance as education.	N018

<u>Cultural</u>	From Ghana the dancers environment. Special motion cultural.	N018
<u>Culture</u>	For the victims of our culture the Alexander Technique. Kinesthetic physiology.	N025
<u>Dalcroze</u>	Appias theory of acting eurhythmics for the stage dalcroze.	N097
<u>Dance</u>	Aesthetic learning through experi- ences in a correlated program of in- struction in art, music and modern dance.	R141
	Experiences in movement, art and dance.	N045
	Television, a tool for teaching dance.	N022
	Prediction of modern dance ability through kinesthetic tests.	R079
	Modern dance and kinesiology. Anatomy	N049
	New directions in dance and music. Movement sound source.	N028
	Basic dance and sensory perception.	N078
	Selected kinesthetic and psychologi- cal differences between the highly skilled in dance and sports. Balance personality-assessment time-estimation characteristics.	N078
	Teaching dance as a career.	N121
	Research related to dance as a discipline.	N034
	African dance as education. Cultural	N019
	Dance as therapy for the mentally ill Responses.	N046
	The interdivisional program in dance at teachers college.	N127
	Measures of motor ability before and after participation in a high school dance class.	N106

<u>Dance</u>	Video-tape a medium for the teaching of dance classroom.	N010
	A study of the effects of dance experience of women prisoners at Texas Women's Prison.	N119
	Effect of two regulated changes of tempo upon emotional connotations in dance. Film.	R052
	Principles for the establishment and conduct of programs of dance for senior high school girls.	N086
	Dance for the deaf child.	N009
	The phenomenology of dance. Illusion force movement. Esthetics.	N101
	Commentary on creative dance in elementary schools with filmed anecdotes.	N124
	The role of modern dance in higher education.	N139
	A study of modern dance in relation to communication choreographic structure and elements of composition.	R082
	Non-literal modern dance. Its nature forms and means of communication.	R149
	Guidelines for effective modern dance lecture demonstrations.	N068
	Abstraction of a dance movement. Lecture-demonstration locomotor source.	N027
	The measurement of capacities for learning dance movement techniques.	R038
	Relationship of modern dance performance to agility, balance, flexibility, power and strength.	N016

<u>Dance</u>	Concepts related to the development of creativity in modern dance. Process Product Environment Person	N080
	Children consider the dance program Responses.	N142
	An evaluation of dance programs in the intermediate grades.	N110
	Dance research reference materials with suggestions for future research.	N075
	The phenomenology of dance. Review-of movement.	N098
	The place of dance rituals from primitive times to the present.	N114
	Verbal aspects of dance. Taxonomy	N026
	Measurement of modern dance techniques	N116
	Opening doors through dance. Therapy kinesthetic.	N029
	Recent studies in dance. Theses	N031
<u>Dancer</u>	A dancer looks at movement.	N137
	Measuring the creativity of modern dancers.	N107
<u>Dancers</u>	Perceptual differences of selected football players, dancers and non-performers to a given stimulus.	N024
	From Ghana the dancers environment. Special motion cultural.	N018
	The dancers posture.	N011

<u>Dancers</u>	Development and validation of an objective measure of locomotor response to auditory rhythmic stimuli Dancers rhythmeter.	N091
<u>Dancing</u>	Importance of audience participation in dancing.	N135
	Relationship between audio-perceptual rhythm and skill in square dancing.	N002
	Dancing for the deaf.	N143
	Better dancing through better body balance posture Julliard Posture Laboratory.	N042
<u>Deaf</u>	Dancing for the deaf.	N143
	Dance for the deaf child.	N009
	A study in non-verbal communication exploration of visual auditory and kinesthetic responses in three groups, one blind, two deaf, three normal.	N123
<u>Decline</u>	Motor development and decline throughout life span.	N047
<u>Demonstrations</u>	Guidelines for effective modern dance. Lecture demonstrations	N068
<u>Deprivation</u>	Hypokinetic disease. Movement deprivation. Perception.	N096
<u>Design</u>	Body structure and design factors in the motor performance of college women.	N040
<u>Develop</u>	An exploration of the uses of rhythmic movement to develop aesthetic concepts in the primary grades. Action-study.	R072
<u>Development</u>	Motor development and decline throughout life span.	N047
	Development and validation of an objective measure of locomotor response to auditory rhythmic stimuli. Dancers rhythmeter.	N091

<u>Development</u>	Effect of mental practice on the development of a certain motor skill.	N017
	The effects of covert rehearsal on the development of a complex motor skill.	N146
	Comment movement and meaning development of a general theory.	N090
	Movement and meaning development of a general theory somatic-sensory symbolic elements thought.	N089
	The development of a test of rhythmic response through movement of first grade children.	N126
	Development of an objective measure of rhythmic motor response.	N081
	A study of the unique contributions of ballroom, folk, modern, and tap dance to the development of certain traits in college women.	N111
	Concepts related to the development of creativity in modern dance. Process Product Environment Person	N080
	A study of the development of rhythmic abilities in first grade children.	N117
	Movement experiences and learning a motor development program for young children. Perception aesthetics experience review	R147
<u>Developmental</u>	Rhythmic responsiveness of normal elementary school children. An investigation of the developmental difference in the rhythmic responsiveness of the normal child when a rhythmic stimulus is utilized as contrasted with a musical stimulus spontaneous-rhythm physical-movement film.	N095
<u>Device</u>	The value of the motion picture as an instructional device in learning a motor skill.	R039

<u>Difference</u>	Rhythmic responsiveness of normal elementary school children. An investigation of the developmental difference in the rhythmic responsiveness of the normal child when a rhythmic stimulus is utilized as contrasted with a musical stimulus spontaneous-rhythm physical-movement film.	N095
<u>Differences</u>	Selected kinesthetic and psychological differences between the highly skilled in dance and sports. Balance personality-assessment time-estimation characteristics.	N078
	Perceptual differences of selected football players, dancers and non-performers to a given stimulus.	N024
<u>Different</u>	Effect of different lengths of practice on the learning of a motor skill.	N003
<u>Directions</u>	New directions in dance and music. Movement Sound Source	N028
<u>Discipline</u>	Research related to dance as a discipline.	N034
<u>Discussion</u>	Mental practice a review and discussion.	R051
<u>Disease</u>	Hypokinetic disease. Movement. Deprivation. Perception.	N096
<u>Divergencies</u>	Relationship between selected postural divergencies and motor ability.	N088
<u>Doors</u>	Opening doors through dance. Therapy kinesthetic.	N029
<u>Drama</u>	Evaluation of movement study for drama and music majors.	N122
<u>During</u>	The effects of an emphasis on conceptualizing techniques during early learning of a gross motor skill mental-practice.	N102

<u>Dynamic</u>	Dynamic kinesthetic perception and adjustment.	R036
<u>Early</u>	The effects of an emphasis on conceptualizing techniques during early learning of a gross motor skill mental-practice.	N102
<u>Education</u>	Construction of a film series. Movement education in physical education.	R077
	Aesthetic education through physical education.	N129
	The role of modern dance in higher education.	N139
	African dance as education. Cultural	N019
	A study in the use of movement education in conjunction with psychodrama in group psycho-therapy.	N113
<u>Effect</u>	Effect of a kinesthetic-rhythm activity to music on selected aspects of behavior.	R070
	Effect of a rhythmic and sensory motor activity program on perceptual motor-spatial abilities of kindergarten children.	N103
	Effect of attitude toward warm-ups on motor performance.	N085
	Effect of different lengths of practice on the learning of a motor skill.	N003
	An experimental study of the effect of head balance on patterns of posture and movement in man.	N066
	Effect of mental practice on the development of a certain motor skill.	N017
	The effect of movement on the adjustment and coordination of a selected group of first grade children.	N120

<u>Effect</u>	Effect of rhythmic accompaniment upon learning of fundamental motor skills.	N050
	Effect of two regulated changes of tempo upon emotional connotations in dance. Film.	R052
	Effect of verbal instruction on athletic activity.	N057
	Viewing oneself performing selected motor skills in motion pictures and its effect upon expressed concept of self in performance.	N006
<u>Effective</u>	Guidelines for effective modern dance. Lecture demonstrations.	N068
<u>Effects</u>	The effects of an emphasis on conceptualizing techniques during early learning of a gross motor skill. Mental-practice.	N102
	The effects of covert rehearsal on the development of a complex motor skill.	N146
	A study of the effects of dance experience of women prisoners at Texas Womens' Prison.	N119
	Effects of stress on motor performance and learning shock.	N005
<u>Elementary</u>	Rhythm and movement in the elementary school.	N131
	Relation of kinesthetic perception to a selected motor-skill for elementary school children.	N004
	Rhythmic responsiveness of normal elementary school children an investigation of the developmental difference in the rhythmic responsiveness of the normal child when a rhythmic stimulus is utilized as contrasted with a musical stimulus spontaneous-rhythm physical-movement film.	N095

<u>Elementary</u>	Relation of kinesthetic perception to a selected motor skill for elementary school children. Unrelated.	N063
	Commentary on creative dance in elementary schools with filmed	N124
<u>Elements</u>	Substantive elements about human movement ratings generalizations validation.	N074
	A study of modern dance in relation to communication choreographic structure and elements of composition.	R082
	Movement and meaning development of a general theory. Somatic-sensory symbolic elements thought.	N089
<u>Emotional</u>	Effect of two regulated changes of tempo upon emotional connotations in dance. Film.	R052
<u>Emphasis</u>	The effects of an emphasis on conceptualizing techniques during early learning of a gross motor skill mental-practice.	N102
<u>Environment</u>	Concepts related to the development of creativity in modern dance. Process product environment person.	N080
	From Ghana the dancers environment. Spacial motion cultural.	N018
<u>Environmental</u>	Anthropolitics. Human-motion environmental.	N054
<u>Equilibrium</u>	Relationship of static equilibrium to ability in motor activities.	N087
<u>Establishment</u>	Principles for the establishment and conduct of programs of dance for senior high school girls.	N086
<u>Esthetic</u>	Esthetic education through physical education.	N129

<u>Esthetics</u>	The phenomenology of dance.	N101
	Illusion force movement esthetics.	
	The biology of esthetics. Universal-ity forms inherent.	N007
<u>Eurhythmics</u>	Appias theory of acting eurhythmics for the stage. Dalcroze.	N097
<u>Evaluation</u>	A simplified technique for teaching body alignment in standing its application and evaluation.	N128
	An evaluation of dance programs in the intermediate grades.	N110
	Evaluation of movement study for drama and music majors.	N122
	A new method of studying the rhythmic responses of children together with an evaluation of the method of simple observation. Illusion.	N144
<u>Exercise</u>	The influence of exercise in sports on kinesthetic sensitivity in the joints of the upper limbs.	N058
<u>Experience</u>	The role of phenomenal experience in motor learning. Physical-execution conditions-of.	N069
	A study of the effects of dance experience of women prisoners at Texas Women's Prison.	N119
	Movement experiences and learning a motor development program for young children. Perception aesthetics experience review.	R147
	A study of reliability of a rhythm test and the relationship of past rhythmic experience to present rhythmic ability.	N115
<u>Experiences</u>	Movement experiences and learning a motor development program for young children. Perception aesthetics experience review.	R147

<u>Experiences</u>	Aesthetic learning through experiences in a correlated program of instruction in art, music and modern dance.	R141
	An exploratory study of the use of creative rhythmic movement experiences in helping aggressive children.	N109
	Experiences in movement and dance.	N045
	Exploring movement experiences. Non-catheletics.	N055
<u>Experimental</u>	An experimental study of the effect of head balance on patterns of posture and movement in man.	N066
<u>Exploration</u>	An exploration of the uses of rhythmic movement to develop aesthetic concepts in the primary grades. Action-study.	R072
	A study in non-verbal communication exploration of visual auditory and kinesthetic responses in three groups, one blind, two deaf, three normal.	N123
<u>Exploratory</u>	An exploratory study of the use of creative rhythmic movement experiences in helping aggressive children.	N109
<u>Exploring</u>	Exploring movement experiences. Non-catheletics.	N055
<u>Expressed</u>	Viewing oneself performing selected motor skills in motion pictures and its effect upon expressed concept of self in performance.	N006
<u>Expression</u>	Theory and techniques for motivating choreographic expression on secondary and college levels.	N130
<u>Factorial</u>	Factorial analysis of motor coordination balance tempo two-handed-agility speed coordination body-balance perception.	N084
<u>Factors</u>	Body structure and design factors in the motor performance of college women.	N040

<u>Factors</u>	Sensory factors involving control of movements accompanying periodic stimuli. Sound.	N065
<u>Feeling</u>	The whole secret is feeling.	N140
<u>Film</u>	Effect of two regulated changes of tempo upon emotional connotations in dance. Film.	R052
	Rhythmic responsiveness of normal elementary school children an investigation of the developmental difference in the rhythmic responsiveness of the normal child when a rhythmic stimulus is utilized as contrasted with a musical stimulus spontaneous-rhythm physical-movement film.	N095
	Construction of a film series. Movement education in physical education.	R077
<u>Filmed</u>	Commentary on creative dance in elementary schools with filmed anecdotes.	N124
<u>Flexibility</u>	Relationship of modern dance performance to agility, balance, flexibility, power and strength.	N016
<u>Folk</u>	A study of the unique contributions of ballroom, folk, modern, and tap dance to the development of certain traits in college women.	N111
<u>Football</u>	Perceptual differences of selected football players, dancers and non-performers to a given stimulus.	N024
<u>Force</u>	The phenomenology of dance. Illusion force movement esthetics.	N101
<u>Forms</u>	Non-literal modern dance. Its nature forms and means of communication.	R149
	The biology of esthetics. Universality forms inherent.	N007
<u>Functions</u>	Functions of mental practice in acquisition of motor skills.	N148

<u>Fundamental</u>	Effect of rhythmic accompaniment upon learning of fundamental motor skills.	N050
<u>Future</u>	Dance research reference materials with suggestions for future research.	N075
<u>Generalizations</u>	Substantive elements about human movement ratings generalizations validation.	N074
<u>Geometry</u>	Teaching geometry through creative movement.	N099
<u>Ghana</u>	From Ghana the dancers environment Spacial motion cultural.	N018
<u>Girls</u>	Principles for the establishment and conduct of programs of dance for senior high school girls.	N086
	A study of the relationship of certain measures of rhythmic ability and motor ability in girls and women.	N053
<u>Grade</u>	A study of the development of rhythmic abilities in first grade children.	N117
	The development of a test of rhythmic response through movement of first grade children.	N126
	The effect of movement on the adjustment and coordination of a selected group of first grade children.	N120
<u>Grades</u>	An evaluation of dance programs in the intermediate grades.	N110
	An exploration of the uses of rhythmic movement to develop aesthetic concepts in the primary grades.	R072
<u>Gross</u>	Rhythmic perception and gross motor performance.	N125
	Gross motor rhythm test.	R030
	Intelligence and the improvement in a gross motor skill after mental practice.	N061

<u>Gross</u>	The effects of an emphasis on conceptualizing techniques during early learning of a gross motor skill mental-practice.	N102
<u>Group</u>	The effect of movement on the adjustment and coordination of a selected group of first grade children.	N120
	A study in the use of movement education in conjunction with psychodrama in group psycho-therapy.	N113
<u>Groups</u>	A study in non-verbal communication exploration of visual auditory and kinesthetic responses in three groups, one blind, two deaf, three normal.	N123
<u>Guidance</u>	Youth advice bureau vocational guidance movement assessment.	N014
<u>Guidelines</u>	Guidelines for effective modern dance lecture demonstrations	N068
<u>Guides</u>	Seven guides to creativity. Chart	N041
<u>Halprin</u>	Materials of myths an Ann Halprin workshop.	R035
<u>Head</u>	An experimental study of the effect of head balance on patterns of posture and movement in man.	N066
<u>Hearing</u>	Sensory perception of the motor skilled kinesthesia balance hearing sight touch.	N100
<u>Helping</u>	An exploratory study of the use of creative rhythmic movement experiences in helping aggressive children.	N109
<u>Higher</u>	The role of modern dance in higher education.	N139
<u>Human</u>	The significance of human movement, a phenomenological approach.	N138
	Psychological aspects of human movement and perception.	N134

<u>Human</u>	Substantive elements about human movement. Ratings, generalizations validation.	N074
<u>Human-Motion</u>	Anthropokinetics. Environmental.	N054
<u>Hypokinetic</u>	Hypokinetic disease. Movement deprivation, perception.	N096
<u>Ill</u>	Dance as therapy for the mentally ill. Responses.	N046
<u>Illusion</u>	A new method of studying the rhythmic responses of children together with an evaluation of the method of simple observation. Illusion.	N144
	The phenomenology of dance. Illusion force, movement esthetics.	N101
<u>Importance</u>	Importance of audience participation in dancing.	N135
<u>Improvement</u>	Intelligence and the improvement in a gross motor skill after mental practice.	N061
<u>Individuals</u>	On creativity. Individuals traits.	N001
<u>Influence</u>	The influence of exercise in sports on kinesthetic sensitivity in the joints of the upper limbs.	N058
<u>Inherent</u>	The biology of esthetics. Universality forms inherent.	N007
<u>Instruction</u>	Aesthetic learning through experiences in a correlated program of instruction in art, music and modern dance.	R141
	Effect of verbal instruction on athletic activity.	N057
<u>Instructional</u>	The value of the motion picture as an instructional device in learning a motor skill.	R039

<u>Intelligence</u>	Comparison of motor creativity with verbal creativity motor ability and intelligence.	N071
	Creativity intelligence and achievement in motor skills.	N048
	Intelligence and sensorimotor skill. Unrelated.	N059
	Intelligence and the improvement in a gross motor skill after mental practice.	N061
<u>Interdivisional</u>	The interdivisional program in dance at teachers' college.	N127
<u>Intermediate</u>	An evaluation of dance programs in the intermediate grades.	N110
<u>Investigation</u>	An investigation of auditory and visual perception of rhythm and its relation to skill in selected motor activities.	R067
	Rhythmic responsiveness of normal elementary school children an investigation of the developmental difference in the rhythmic responsiveness of the normal child when a rhythmic stimulus is utilized as contrasted with a musical stimulus spontaneous-rhythm physical-movement film.	N095
<u>Involving</u>	Sensory factors involving control of movements accompanying periodic stimuli. Sound.	N065
<u>Joints</u>	The influence of exercise in sports on kinesthetic sensitivity in the joints of the upper limbs.	N058
<u>Julliard</u>	Better dancing through better body balance posture Julliard Posture Laboratory.	N042
<u>Kindergarten</u>	Effect of a rhythmic and sensory motor activity program on perceptual motor-spatial abilities of kindergarten children.	N103
<u>Kinesiological</u>	The kinesiological analysis of five selected modern dance warm-ups.	N112

<u>Kinesiological</u>	Kinesiological aspects of sport.	N133
<u>Kinesiology</u>	Modern dance and kinesiology. Anatomy.	N049
<u>Kinesthesia</u>	Sensory perception of the motor skilled kinesthesia balance hearing sight touch.	N100
<u>Kinesthesia</u>	Measurement of kinesthesia.	R043
	Kinesthesia in relation to the learning of selected motor skills.	N092
	Study of tests of kinesthesia. Specific. Athletes.	N083
<u>Kinesthetic</u>	Opening doors through dance. Therapy. Kinesthetic.	N029
	Selected kinesthetic and psycholog- ical differences between the highly skilled in dance and sports. Balance personality-assessment time-estimation characteristics.	N078
	The role of kinesthetic and visual control in the movements performed by children of secondary school age.	R062
	Dynamic kinesthetic perception and adjustment.	R036
	Relation of kinesthetic perception to a selected motor skill for elementary school children. Unrelated.	N063
	Relation of kinesthetic perception to a selected motor-skill for elementary school children.	N004
	For the victims of our culture the Alexander Technique. Kinesthetic physiology.	N025
	A study in non-verbal communication exploration of visual auditory and kinesthetic responses in three groups, one blind, two deaf, three normal.	N123

<u>Kinesthetic</u>	The influence of exercise in sports on kinesthetic sensitivity in the joints of the upper limbs.	N059
	Prediction of modern dance ability through kinesthetic tests.	R079
<u>Kinesthetic-Rhythm</u>	Effect of a kinesthetic-rhythm activity to music on selected aspects of behavior.	R070
<u>Laboratory</u>	Better dancing through better body balance posture Julliard Posture Laboratory.	N042
<u>Learn</u>	How children learn the motor types of activities.	N136
<u>Learners</u>	Slow learners and rhythm. Body-movement.	N093
<u>Learning</u>	Coordination and motor learning.	N064
	The contributions of activity to skill learning.	N064
	Movement experiences and learning a motor development program for young children. Perception aesthetics experience review.	R147
	Mental practice and physical practice on learning a motor skill.	N044
	The value of the motion picture as an instructional device in learning a motor skill.	R039
	The measurement of capacities for learning dance movement techniques.	R038
	The effects of an emphasis on conceptualizing techniques during early learning of a gross motor skill mental-practice.	N102
	Effect of different lengths of practice on the learning of a motor skill.	N003

<u>Learning</u>	Effect of rhythmic accompaniment upon learning of fundamental motor skills.	N050
	Kinesthesia in relation to the learning of selected motor skills.	N092
	The role of phenomenal experience in motor learning. Physical-execution conditions-of.	N069
	A study of the learning process and movement.	N104
	Effects of stress on motor performance and learning. Shock.	N005
	Aesthetic learning through experiences in a correlated program of instruction in art, music and modern dance.	R141
<u>Lecture</u>	Guidelines for effective modern dance lecture demonstrations.	N068
<u>Lecture-Demonstration</u>	Abstraction of a dance movement demonstration locomotor source.	N027
<u>Lengths</u>	Effect of different lengths of practice on the learning of a motor skill.	N003
<u>Levels</u>	Theory and techniques for motivating choreographic expression on secondary and college levels.	N130
<u>Life</u>	Motor development and decline throughout life span.	N047
<u>Limbs</u>	The influence of exercise in sports on kinesthetic sensitivity in the joints of the upper limbs.	N058
<u>Locomotor</u>	Development and validation of an objective measure of locomotor response to auditory rhythmic stimuli. Dancers rhythmeter.	N091
	Abstraction of a dance movement. Lecture-demonstration locomotor source.	N027
<u>Looks</u>	A dancer looks at movement.	N122

<u>Majors</u>	Evaluation of movement study for drama and music majors.	N122
<u>Man</u>	An experimental study of the effect of head balance on patterns of posture and movement in man.	N066
<u>Materials</u>	Materials of myths an Ann Halprin Workshop.	R035
	Dance research reference materials with suggestions for future research.	N075
<u>Meaning</u>	Comment movement and meaning development of a general theory.	N090
	Movement and meaning development of a general theory. Somatic-sensory symbolic elements thought.	N089
	The meaning of movement on the contemporary American stage. Abstraction mimesis metaphor symbol.	N073
<u>Means</u>	Non-literal modern dance. Its nature forms and means of communication.	R149
<u>Measure</u>	Development and validation of an objective measure of locomotor response to auditory rhythmic stimuli dancers rhythmeter.	N091
	Development of an objective measure of rhythmic motor response.	N081
<u>Measurement</u>	The measurement of capacities for learning dance movement techniques.	R038
	Measurement of kinesthesia.	R043
	Measurement of modern dance techniques.	N116
<u>Measures</u>	Measures of motor ability before and after participation in a high school dance class.	N106

<u>Measures</u>	A study of the relationship of certain measures of rhythmic ability and motor ability in girls and women.	N053
<u>Medium</u>	Video-tape a medium for the teaching of dance classroom.	N010
<u>Mental</u>	Intelligence and the improvement in a gross motor skill after mental practice.	N061
	Mental practice a review and discussion.	R051
	Mental practice and physical practice on learning a motor skill.	N044
	Functions of mental practice in acquisition of motor skills.	N148
	Effect of mental practice on the development of a certain motor skill.	N017
<u>Mentally</u>	Dance as therapy for the mentally ill. Responses.	N046
<u>Mental-Practice</u>	The effects of an emphasis on conceptualizing techniques during early learning of a gross motor skill. Mental-practice.	N102
<u>Metaphor</u>	The meaning of movement on the contemporary American stage. Abstraction mimesis metaphor symbol	N073
<u>Method</u>	A new method of studying the rhythmic responses of children together with an evaluation of the method of simple observation. Illusion.	N144
<u>Mimesis</u>	The meaning of movement on the contemporary American stage. Abstraction mimesis metaphor symbol.	N073

Modern

A study of the unique contributions of ballroom, folk, modern, and tap dance to the development of certain traits in college women. N111

Aesthetic learning through experiences in a correlated program of instruction in art, music and modern dance. R141

Prediction of modern dance ability through kinesthetic tests. R079

Modern dance and kinesiology. Anatomy N049

The role of modern dance in higher education. N139

A study of modern dance in relation to communication choreographic structure and elements of composition. R082

Non-literal modern dance. Its nature forms and means of communication. R149

Guidelines for effective modern dance lecture demonstrations. N068

Relationship of modern dance performance to agility balance flexibility power and strength. N016

Concepts related to the development of creativity in modern dance. Process product environment person. N080

Measurement of modern dance techniques. N116

The kinesiological analysis of five selected modern dance warm-ups. N112

Measuring the creativity of modern dancers. N107

Motion

From Ghana the dancers environment. Spacial motion cultural. N018

The value of the motion picture as an instructional device in learning a motor skill. R039

<u>Motion</u>	Viewing oneself performing selected motor skills in motion pictures and its effect upon expressed concept of self in performance.	N006
<u>Motivating</u>	Theory and techniques for motivating choreographic expression on secondary and college levels.	N130
<u>Motor</u>	Relationship between selected postural divergencies and motor ability.	N088
	Motor ability and creativity. Unrelated.	N060
	Comparison of motor creativity with verbal creativity motor ability and intelligence.	N071
	Measures of motor ability before and after participation in a high school dance class.	N106
	A study of the relationship of certain measures of rhythmic ability and motor ability in girls and women.	N053
	An investigation of auditory and visual perception of rhythm and its relation to skill in selected motor activities.	R067
	Relationship of static equilibrium to ability in motor activities.	N087
	Effect of a rhythmic and sensory motor activity program on perceptual motor-spatial abilities of kindergarten children.	N103
	Factorial analysis of motor coordination balance tempo two-handed-agility speed coordination body-balance perception.	N084
	Comparison of motor creativity with verbal creativity motor ability and intelligence.	N071

<u>Motor</u>	Motor development and decline throughout life span.	N047
	Movement experiences and learning a motor development program for young children. Perception aesthetics experience review.	R147
	Coordination and motor learning.	N132
	The role of phenomenal experience in motor learning physical-execution conditions-of.	N069
	Effect of attitude toward warm-ups on motor performance.	N085
	Rhythmic perception and gross motor performance.	N125
	Effects of stress on motor performance and learning. Shock.	N005
	Body structure and design factors in the motor performance of college women.	N040
	Development of an objective measure of rhythmic motor response.	N081
	Gross motor rhythm test.	R030
	Effect of different lengths of practice on the learning of a motor skill.	N003
	Effect of mental practice on the development of a certain motor skill.	N017
	Mental practice and physical practice on learning a motor skill.	N044
	The effects of covert rehearsal on the development of a complex motor skill.	N146
	The value of the motion picture as an instructional device in learning a motor skill.	R039
	Intelligence and the improvement in a gross motor skill after mental practice.	N061

<u>Motor</u>	Relation of kinesthetic perception to a selected motor skill for elementary school children. Unrelated.	N063
	The effects of an emphasis on conceptualizing techniques during early learning of a gross motor skill mental-practice.	N102
	Sensory perception of the motor skilled kinesthesia balance hearing sight touch.	N100
	Creativity intelligence and achievement in motor skills.	N048
	Effect of rhythmic accompaniment upon learning of fundamental motor skills.	N050
	Functions of mental practice in acquisition of motor skills.	N148
	Kinesthesia in relation to the learning of selected motor skills.	N092
	Viewing oneself performing selected motor skills in motion pictures and its effect upon expressed concept of self in performance.	N006
	How children learn the motor types of activities.	N136
<u>Motor- Rhythmic</u>	Rhythmic training and its relationship to the synchronization of motor-rhythmic responses. Unrelated.	N076
<u>Motor-Skill</u>	Relation of kinesthetic perception to a selected motor-skill for elementary school children.	N004
<u>Motor- Spatial</u>	Effect of a rhythmic and sensory motor activity program on perceptual motor-spatial abilities of kindergarten children.	N103
<u>Movement</u>	The phenomenology of dance. Review-of movement.	N098

<u>Movement</u>	A dancer looks at movement.	N137
	A study of the learning process and movement.	N104
	Teaching geometry through creative movement.	N099
	The significance of human movement a phenomenological approach.	N138
	Movement and meaning development of a general theory. Somatic-sensory symbolic elements thought.	N089
	Comment movement and meaning development of a general theory.	N090
	Psychological aspects of human movement and perception.	N134
	Experiences in movement art and dance.	N045
	Youth advice bureau vocational guidance, movement assessment.	N014
	Hypokinetic disease. Movement deprivation, perception.	N096
	A study in the use of movement education in conjunction with psychodrama in group psychotherapy.	N113
	Construction of a film series. Movement education in physical education.	R077
	The phenomenology of dance. Illusion force movement esthetics.	N101
	Movement experiences and learning a motor development program for young children. Perception aesthetics experience review.	R147
	An exploratory study of the use of creative rhythmic movement experiences in helping aggressive children.	N109

<u>Movement</u>	Exploring movement experiences. Non-catheletics.	N055
	An experimental study of the effect of head balance on patterns of posture and movement in man.	N066
	Rhythm and movement in the ele- mentary school.	N131
	Abstraction of a dance movement. Lecture-demonstration locomotor source.	N027
	The development of a test of rhythmic response through movement of first grade children.	N126
	The effect of movement on the adjust- ment and coordination of a selected group of first grade children.	N120
	The meaning of movement on the con- temporary American stage. Abstraction mimesis metaphor symbol.	N073
	Movement portraits. Children char- acteristics.	N015
	Substantive elements about human movement. Ratings generalizations validation.	N074
	Movement related to social studies.	N105
	New directions in dance and music. Movement sound source.	N028
	Evaluation of movement study for drama and music majors.	N122
	The measurement of capacities for learning dance movement techniques.	R038
	An exploration of the uses of rhythmic movement to develop aesthetic concepts in the primary grades action-study.	R072
	Movement tonality.	N108

<u>Movements</u>	Sensory factors involving control of movements accompanying periodic stimuli sound.	N065
	The role of kinesthetic and visual control in the movements performed by children of secondary school age.	R062
<u>Music</u>	Aesthetic learning through experiences in a correlated program of instruction in art, music and modern dance.	R141
	Evaluation of movement study for drama and music majors.	N122
	New directions in dance and music. movement sound source.	N028
	Effect of a kinesthetic-rhythm activity to music on selected aspects of behavior.	R070
<u>Musical</u>	Rhythmic responsiveness of normal elementary school children an investigation of the developmental difference in the rhythmic responsiveness of the normal child when a rhythmic stimulus is utilized as contrasted with a musical stimulus spontaneous-rhythm physical-movement film.	N095
<u>Myths</u>	Materials of myths an Ann Halprin workshop.	R035
<u>Nature</u>	Non-literal modern dance. Its nature forms and means of communication.	R149
<u>Non-Literal</u>	Non-literal modern dance. Its nature forms and means of communication.	R149
<u>Non-Calethenics</u>	Exploring movement experiences. Non-calethenics.	N055
<u>Non-Perform-ers</u>	Perceptual differences of selected football players, dancers and non-performers to a given stimulus.	N024

<u>Non-Verbal</u>	A study in non-verbal communication exploration of visual auditory and kinesthetic responses in three groups, one blind, two deaf, three normal.	N123
<u>Normal</u>	A study in non-verbal communication exploration of visual auditory and kinesthetic responses in three groups, one blind, two deaf, three normal.	N123
	Rhythmic responsiveness of normal elementary school children an investigation of the developmental difference in the rhythmic responsiveness of the normal child when a rhythmic stimulus is utilized as contrasted with a musical stimulus. Spontaneous-rhythm physical-movement film.	N095
	Rhythmic responsiveness of normal elementary school children an investigation of the developmental difference in the rhythmic responsiveness of the normal child when a rhythmic stimulus is utilized as contrasted with a musical stimulus. Spontaneous-rhythm physical-movement film.	N095
<u>Objective</u>	Development and validation of an objective measure of locomotor response to auditory rhythmic stimuli. Dancers rhythmeter.	N091
	Development of an objective measure of rhythmic motor response.	N081
<u>Observation</u>	A new method of studying the rhythmic responses of children together with an evaluation of the method of simple observation. Illusion.	N144
<u>Oneself</u>	Viewing oneself performing selected motor skills in motion pictures and its effect upon expressed concept of self in performance.	N006
<u>Opening</u>	Opening doors through dance. Therapy kinesthetic.	N029

<u>Participation</u>	Measures of motor ability before and after participation in a high school dance class.	N106
	Importance of audience participation in dancing.	N135
<u>Past</u>	A study of reliability of a rhythm test and the relationship of past rhythmic experience to present rhythmic ability.	N115
<u>Patterns</u>	An experimental study of the effect of head balance on patterns of posture and movement in man.	N066
<u>Perception</u>	Factorial analysis of motor coordination balance tempo two-handed-agility speed coordination body-balance perception.	N084
<u>Perception</u>	Hypokinetic disease. Movement deprivation, perception.	N096
	Basic dance and sensory perception.	R032
	Psychological aspects of human movement and perception.	N134
	Movement experiences and learning a motor development program for young children. Perception aesthetics experience review.	R147
	Dynamic kinesthetic perception and adjustment.	R036
	Rhythmic perception and gross motor performance.	N125
	An investigation of auditory and visual perception of rhythm and its relation to skill in selected motor activities.	R067
	Sensory perception of the motor skilled kinesthesia balance hearing, sight, touch.	N100

<u>Perception</u>	Relation of kinesthetic perception to a selected motor skill for elementary school children. Unrelated.	N063
	Relation of kinesthetic perception to a selected motor-skill for elementary school children.	N004
<u>Perceptual</u>	Perceptual differences of selected football players, dancers and non-performers to a given stimulus.	N024
	Effect of a rhythmic and sensory motor activity program on perceptual motor-spatial abilities of kindergarten children.	N103
<u>Performance</u>	Effect of attitude toward warm-ups on motor performance.	N085
	Rhythmic perception and gross motor performance.	N125
	Viewing oneself performing selected motor skills in motion pictures and its effect upon expressed concept of self in performance.	N006
	Effects of stress on motor performance and learning. Shock.	N005
	Body structure and design factors in the motor performance of college women.	N040
	Relationship of modern dance performance to agility balance flexibility power and strength.	N016
<u>Performed</u>	The role of kinesthetic and visual control in the movements performed by children of secondary school age.	R062
<u>Performing</u>	Viewing oneself performing selected motor skills in motion pictures and its effect upon expressed concept of self in performance.	N006
<u>Periodic</u>	Sensory factors involving control of movements accompanying periodic stimuli sound.	N065

<u>Personality- Assessment</u>	Selected kinesthetic and psychological differences between the highly skilled in dance and sports. Balance personality-assessment time-estimation characteristics.	N078
<u>Phenomenal</u>	The role of phenomenal experience in motor learning. Physical-execution conditions-of.	N069
<u>Phenomeno- logical</u>	The significance of human movement a phenomenological approach.	N138
<u>Phenomenology</u>	The phenomenology of dance. Illusion force, movement esthetics.	N101
	The phenomenology of dance. Review-of movement.	N098
<u>Physical</u>	Construction of a film series. Movement education in physical education.	R077
	Esthetic education through physical education.	N129
	Mental practice and physical practice on learning a motor skill.	N044
<u>Physical- Execution</u>	The role of phenomenal experience in motor learning. Physical-execution conditions-of.	N069
<u>Physical- Movement</u>	Rhythmic responsiveness of normal elementary school children an investigation of the developmental difference in the rhythmic responsiveness of the normal child when a rhythmic stimulus is utilized as contrasted with a musical stimulus. Spontaneous-rhythm physical-movement film.	N095
<u>Physiology</u>	For the victims of our culture the Alexander Technique. Kinesthetic physiology.	N025
<u>Picture</u>	The value of the motion picture as an instructional device in learning a motor skill.	R039

<u>Pictures</u>	Viewing oneself performing selected motor skills in motion pictures and its effect upon expressed concept of self in performance.	N006
<u>Place</u>	The place of dance rituals from primitive times to the present.	N114
	A place to begin. Therapy.	N021
<u>Players</u>	Perceptual differences of selected football players, dancers and non-performers to a given stimulus.	N024
<u>Portraits</u>	Movement portraits. Children characteristics.	N015
<u>Postural</u>	Relationship between selected postural divergencies and motor ability.	N088
<u>Posture</u>	The dancers posture.	N011
	An experimental study of the effect of head balance on patterns of posture and movement in man.	N066
	Better dancing through better body balance posture Julliard Posture Laboratory.	N042
<u>Power</u>	Relationship of modern dance performance to agility balance flexibility power and strength.	N016
<u>Practice</u>	Intelligence and the improvement in a gross motor skill after mental practice.	N061
	Mental practice a review and discussion.	R051
	Mental practice and physical practice on learning a motor skill.	N044
	Functions of mental practice in acquisition of motor skills.	N148

<u>Practice</u>	Mental practice and physical practice on learning a motor skill.	N044
	Effect of mental practice on the development of a certain motor skill.	N017
	Effect of different lengths of practice on the learning of a motor skill	N003
<u>Prediction</u>	Prediction of modern dance ability through kinesthetic tests.	R079
<u>Pre-School</u>	Rhythm tests for the pre-school child	N118
<u>Primary</u>	An exploration of the uses of rhythmic movement to develop aesthetic concepts in the primary grades, action-study.	R072
<u>Primitive</u>	The place of dance rituals from primitive times to the present.	N114
<u>Principles</u>	Principles for the establishment and conduct of programs of dance for senior high school girls.	N086
<u>Prison</u>	A study of the effects of dance experience of women prisoners at Texas Women's Prison.	N119
<u>Prisoners</u>	A study of the effects of dance experience of women prisoners at Texas Women's Prison.	N119
<u>Process</u>	A study of the learning process and movement.	N104
	Concepts related to the development of creativity in modern dance. Process, product, environment, person.	N080
<u>Product</u>	Concepts related to the development of creativity in modern dance. Process, product, environment, person.	N080
<u>Program</u>	Movement experiences and learning a motor development program for young children. Perception aesthetics experience review.	R147

<u>Program</u>	The interdivisional program in dance at teachers college.	N127
	Aesthetic learning through experiences in a correlated program of instruction in art, music and modern dance.	R141
	Effect of a rhythmic and sensory motor activity program on perceptual motor-spatial abilities of kindergarten children.	N103
	Children consider the dance program. Responses.	N142
<u>Programs</u>	An evaluation of dance programs in the intermediate grades.	N110
	Principles for the establishment and conduct of programs of dance for senior high school girls.	N086
<u>Psychological</u>	Psychological aspects of human movement and perception.	N134
	Selected kinesthetic and psychological differences between the highly skilled in dance and sports. Balance personality-assessment time-estimation characteristics.	N078
<u>Psycho-Drama</u>	A study in the use of movement education in conjunction with psycho-drama in group psycho-therapy.	N113
<u>Psycho-Therapy</u>	A study in the use of movement education in conjunction with psycho-drama in group psycho-therapy.	N113
<u>Ratings</u>	Substantive elements about human movement. Ratings generalizations validation.	N074
<u>Recent</u>	Recent studies in dance. Theses.	N031
<u>Reference</u>	Dance research reference materials with suggestions for future research.	N075

<u>Regulated</u>	Effect of two regulated changes of tempo upon emotional connotations in dance. Film.	R052
<u>Rehearsal</u>	The effects of covert rehearsal on the development of a complex motor skill.	N146
<u>Related</u>	Research related to dance as a discipline.	N034
	Movement related to social studies.	N105
	Concepts related to the development of creativity in modern dance. Process product environment person.	N080
<u>Relation</u>	Relation of kinesthetic perception to a selected motor skill for elementary school children. Unrelated.	N063
	Relation of kinesthetic perception to a selected motor-skill for elementary school children.	N004
	A study of modern dance in relation to communication choreographic structure and elements of composition.	R082
	An investigation of auditory and visual perception of rhythm and its relation to skill in selected motor activities.	R067
	Kinesthesia in relation to the learning of selected motor skills.	N092
<u>Relationship</u>	Relationship between audio-perceptual rhythm and skill in square dancing.	N002
	Relationship between selected postural divergencies and motor ability.	N088
	A study of the relationship of certain measures of rhythmic ability and motor ability in girls and women.	N053
	Relationship of modern dance performance to agility balance flexibility power and strength.	N016

<u>Relationship</u>	A study of reliability of a rhythm test and the relationship of past rhythmic experience to present rhythmic ability.	N115
	Relationship of static equilibrium to ability in motor activities.	N087
	Rhythmic training and its relationship to the synchronization of motor-rhythmic responses. Unrelated.	N076
<u>Reliability</u>	A study of reliability of a rhythm test and the relationship of past rhythmic experience to present rhythmic ability.	N115
<u>Research</u>	Dance research reference materials with suggestions for future research.	N075
	Action research in rhythmic testing.	N008
	Dance research reference materials with suggestions for future research.	N075
	Research related to dance as a discipline.	N034
<u>Response</u>	Development of an objective measure of rhythmic motor response.	N081
	The development of a test of rhythmic response through movement of first grade children.	N126
	Development and validation of an objective measure of locomotor response to auditory rhythmic stimuli dancers rhythmeter.	N091
<u>Responses</u>	Children consider the dance program. Responses.	N142
	Dance as therapy for the mentally ill. Responses.	N046
	A study in non-verbal communication exploration of visual auditory and kinesthetic responses in three groups, one blind, two deaf, three normal.	N123

- Responses A new method of studying the rhythmic responses of children together with an evaluation of the method of simple observation. Illusion. N144
- Rhythmic training and its relationship to the synchronization of motor-rhythmic responses. Unrelated. N076
- Responsiveness Rhythmic responsiveness of normal elementary school children an investigation of the developmental difference in the rhythmic responsiveness of the normal child when a rhythmic stimulus is utilized as contrasted with a musical stimulus. Spontaneous-rhythm physical-movement film. N095
- Rhythmic responsiveness of normal elementary school children an investigation of the developmental difference in the rhythmic responsiveness of the normal child when a rhythmic stimulus is utilized as contrasted with a musical stimulus, spontaneous-rhythm physical-movement film. N095
- Review Movement experiences and learning a motor development program for young children. Perception aesthetics experience review. R147
- Mental practice a review and discussion. R051
- Review-of The phenomenology of dance. Review-of movement. N098
- Rhythm An investigation of auditory and visual perception of rhythm and its relation to skill in selected motor activities. R067
- Rhythm and movement in the elementary school. N131
- Relationship between audio-perceptual rhythm and skill in square dancing. N002

<u>Rhythm</u>	Slow learners and rhythm. Body-Movement.	N093
	Gross motor rhythm test.	R030
	A study of reliability of a rhythm test and the relationship of past rhythmic experience to present rhythmic ability.	N115
	Rhythm tests for the pre-school child.	N118
<u>Rhythmeter</u>	Development and validation of an objective measure of locomotor response to auditory rhythmic stimuli. Dancers rhythmeter.	N091
<u>Rhythmic</u>	A study of the development of rhythmic abilities in first grade children.	N117
	A study of reliability of a rhythm test and the relationship of past rhythmic experience to present rhythmic ability.	N115
	A study of the relationship of certain measures of rhythmic ability and motor ability in girls and women.	N053
	Effect of rhythmic accompaniment upon learning of fundamental motor skills.	N050
	Effect of a rhythmic and sensory motor activity program on perceptual motor-spatial abilities of kindergarten children.	N103
	A study of reliability of a rhythm test and the relationship of past rhythmic experience to present rhythmic ability.	N115
	Development of an objective measure of rhythmic motor response.	N081
	An exploratory study of the use of creative rhythmic movement experiences in helping aggressive children.	N109

Rhythmic

An exploration of the uses of rhythmic movement to develop aesthetic concepts in the primary grades. Action-study. R072

Rhythmic perception and gross motor performance. N125

The development of a test of rhythmic response through movement of first grade children. N126

A new method of studying the rhythmic responses of children together with an evaluation of the method of simple observation. Illusion. N144

Rhythmic responsiveness of normal elementary school children an investigation of the developmental difference in the rhythmic responsiveness of the normal child when a rhythmic stimulus is utilized as contrasted with a musical stimulus. Spontaneous-rhythm physical-movement film. N095

Rhythmic responsiveness of normal elementary school children an investigation of the developmental difference in the rhythmic responsiveness of the normal child when a rhythmic stimulus is utilized as contrasted with a musical stimulus. Spontaneous-rhythm physical-movement film. N095

Development and validation of an objective measure of locomotor response to auditory rhythmic stimuli. Dancers rhythmeter. N091

Rhythmic responsiveness of normal elementary school children an investigation of the developmental difference in the rhythmic responsiveness of the normal child when a rhythmic stimulus is utilized as contrasted with a musical stimulus. Spontaneous-rhythm physical-movement film. N095

<u>Rhythmic</u>	Action research in rhythmic testing.	N008
	Rhythmic training and its relationship to the synchronization of motor-rhythmic responses. Unrelated.	N076
<u>Rituals</u>	The place of dance rituals from primitive times to the present.	N114
<u>Role</u>	The role of kinesthetic and visual control in the movements performed by children of secondary school age.	R062
	The role of modern dance in higher education.	N139
	The role of phenomenal experience in motor learning. Physical-execution conditions-of.	N069
	The role of the computer. Choreography.	N020
<u>School</u>	Rhythm and movement in the elementary school.	N131
	The role of kinesthetic and visual control in the movements performed by children of secondary school age.	R062
	Relation of kinesthetic perception to a selected motor-skill for elementary school children.	N004
	Rhythmic responsiveness of normal elementary school children an investigation of the developmental difference in the rhythmic responsiveness of the normal child when a rhythmic stimulus is utilized as contrasted with a musical stimulus. Spontaneous-rhythm physical-movement film.	N095
	Relation of kinesthetic perception to a selected motor skill for elementary school children. Unrelated.	N063

<u>School</u>	Measures of motor ability before and after participation in a high school dance class.	N106
	Principles for the establishment and conduct of programs of dance for senior high school girls.	N086
<u>Schools</u>	All the schools a stage.	N145
	Commentary on creative dance in elementary schools with filmed anecdotes.	N124
<u>Secondary</u>	Theory and techniques for motivating choreographic expression on secondary and college levels.	N130
	The role of kinesthetic and visual control in the movements performed by children of secondary school age.	R062
<u>Selected</u>	Effect of a kinesthetic-rhythm activity to music on selected aspects of behavior.	R070
	Perceptual differences of selected football players, dancers and non-performers to a given stimulus.	N024
	The effect of movement on the adjustment and coordination of a selected group of first grade children.	N120
	Selected kinesthetic and psychological differences between the highly skilled in dance and sports. Balance personality-assessment time-estimation characteristics.	N078
	The kinesiological analysis of five selected modern dance warm-ups.	N112
	An investigation of auditory and visual perception of rhythm and its relation to skill in selected motor activities.	R067
	Relation of kinesthetic perception to a selected motor skill for elementary school children. Unrelated.	N063

<u>Selected</u>	Kinesthesia in relation to the learning of selected motor skills.	N092
	Viewing oneself performing selected motor skills in motion pictures and its effect upon expressed concept of self in performance.	N006
	Relation of kinesthetic perception to a selected motor-skill for elementary school children.	N004
	Relationship between selected postural divergencies and motor ability.	N088
<u>Self</u>	Viewing oneself performing selected motor skills in motion pictures and its effect upon expressed concept of self in performance.	N006
<u>Self-Evaluation</u>	Self-evaluation one approach. Uniqueness. Capabilities.	N094
<u>Senior</u>	Principles for the establishment and conduct of programs of dance for senior high school girls.	N086
<u>Sensitivity</u>	The influence of exercise in sports on kinesthetic sensitivity in the joints of the upper limbs.	N058
<u>Sensorimotor</u>	Intelligence and sensorimotor skill. Unrelated.	N059
<u>Sensory</u>	Sensory factors involving control of movements accompanying periodic stimuli. Sound	N065
	Effect of a rhythmic and sensory motor activity program on perceptual motor-spatial abilities of kindergarten children.	N103
	Basic dance and sensory perception.	R032
	Sensory perception of the motor skilled kinesthesia balance hearing, sight, touch.	N100

<u>Series</u>	Construction of a film series. Movement education in physical education.	R077
<u>Seven</u>	Seven guides to creativity. Chart.	N041
<u>Shock</u>	Effects of stress on motor perform- ance and learning. Shock.	N005
<u>Sight</u>	Sensory perception of the motor skilled kinesthesia balance hearing, sight, touch.	N100
<u>Significance</u>	The significance of human movement, a phenomenological approach.	N138
<u>Simple</u>	A new method of studying the rhythmic responses of children together with an evaluation of the method of simple observation. Illusion.	N144
<u>Simplified</u>	A simplified technique for teaching body alignment in standing its application and evaluation.	N128
<u>Skill</u>	Effect of different lengths of practice on the learning of a motor skill.	N003
	Effect of mental practice on the development of a certain motor skill.	N017
	Mental practice and physical practice on learning a motor skill.	N044
	The effects of covert rehearsal on the development of a complex motor skill.	N146
	The value of the motion picture as an instructional device in learning a motor skill.	R039
	Intelligence and the improvement in a gross motor skill after mental practice.	N061

<u>Skill</u>	Relation of kinesthetic perception to a selected motor skill for elementary school children. Unrelated.	N063
	An investigation of auditory and visual perception of rhythm and its relation to skill in selected motor activities.	R067
	Relationship between audio-perceptual rhythm and skill in square dancing.	N002
	The contributions of activity to skill learning.	N064
	The effects of an emphasis on conceptualizing techniques during early learning of a gross motor skill. Mental-practice.	N102
	Intelligence and sensorimotor skill. Unrelated.	N059
<u>Skilled</u>	Selected kinesthetic and psychological differences between the highly skilled in dance and sports. Balance personality-assessment time-estimation, characteristics.	N078
	Sensory perception of the motor skilled kinesthesia balance hearing sight touch.	N100
<u>Skills</u>	Creativity intelligence and achievement in motor skills.	N048
	Effect of rhythmic accompaniment upon learning of fundamental motor skills.	N050
	Functions of mental practice in acquisition of motor skills.	N148
	Kinesthesia in relation to the learning of selected motor skills.	N092

<u>Skills</u>	Viewing oneself performing selected motor skills in motion pictures and its effect upon expressed concept of self in performance.	N006
<u>Slow</u>	Slow learners and rhythm. Body-movement.	N093
<u>Social</u>	Movement related to social studies.	N105
<u>Somatic-Sensory</u>	Movement and meaning development of a general theory. Somatic-sensory symbolic elements thought.	N089
<u>Sound</u>	Sensory factors involving control of movements accompanying periodic stimuli sound.	N065
	New directions in dance and music. Movement sound, source.	N028
<u>Source</u>	Abstraction of a dance movement. Lecture-demonstration locomotor source.	N027
	New directions in dance and music. Movement sound, source.	N028
<u>Spacial</u>	From Ghana the dancers environment. Spacial motion cultural.	N018
<u>Span</u>	Motor development and decline throughout life span.	N047
<u>Specific</u>	Study of tests of kinesthesia. Specific athletes.	N083
<u>Speed</u>	Factorial analysis of motor co-ordination. Balance tempo two-handed-agility speed co-ordination body-balance perception.	N084
<u>Spontaneous-Rhythm</u>	Rhythmic responsiveness of normal elementary school children an investigation of the developmental difference in the rhythmic responsiveness of the normal child when a rhythmic stimulus is utilized as contrasted with a musical stimulus spontaneous-rhythm physical-movement film.	N095

<u>Sport</u>	Kinesiological aspects of sport.	N133
<u>Sports</u>	Selected kinesthetic and psychological differences between the highly skilled in dance and sports. Balance personality-assessment time-estimation characteristics.	N078
	The influence of exercise in sports on kinesthetic sensitivity in the joints of the upper limbs.	N058
<u>Square</u>	Relationship between audio-perceptual rhythm and skill in square dancing.	N002
<u>Stage</u>	The meaning of movement on the contemporary American stage. Abstraction mimesis metaphor symbol.	N073
	Appeas theory of acting eurhythmics for the stage. Dalcroze.	N097
<u>Standing</u>	A simplified technique for teaching body alignment in standing its application and evaluation.	N128
<u>Static</u>	Relationship of static equilibrium to ability in motor activities.	N087
<u>Stimuli</u>	Development and validation of an objective measure of locomotor response to auditory rhythmic stimuli dancers rhythmeter.	N091
	Sensory factors involving control of movements accompanying periodic stimuli sound.	N065
<u>Stimulus</u>	Perceptual differences of selected football players, dancers, and non-performers to a given stimulus.	N024
	Rhythmic responsiveness of normal elementary school children an investigation of the developmental difference in the rhythmic responsiveness of the normal child when a rhythmic stimulus is utilized as contrasted with a musical stimulus. Spontaneous-rhythm physical-movement film.	N095

<u>Stimulus</u>	Rhythmic responsiveness of normal elementary school children an investigation of the developmental difference in the rhythmic responsiveness of the normal child when a rhythmic stimulus is utilized as contrasted with a musical stimulus. Spontaneous-rhythm physical-movement film.	N095
<u>Strength</u>	Relationship of modern dance performance to agility balance flexibility power and strength.	N016
<u>Stress</u>	Effects of stress on motor performance and learning. Shock.	N005
<u>Structure</u>	Body structure and design factors in the motor performance of college women.	N040
	A Study of modern dance in relation to communication choreographic structure and elements of composition.	R082
<u>Studies</u>	Movement related to social studies.	N105
	Recent studies in dance. Theses.	N031
<u>Study</u>	Evaluation of movement study for drama and music majors.	N122
	A study in non-verbal communication exploration of visual auditory and kinesthetic responses in three groups, one blind, two deaf, three normal.	N123
	A study in the use of movement education in conjunction with psycho-drama in group psychotherapy.	N113
	A study of modern dance in relation to communication choreographic structure and elements of composition.	R082

- Study A study of reliability of a rhythm N115
test and the relationship of past
rhythmic experience to present
rhythmic ability.
- Study of tests of kinaesthesia. N083
Specific athletes.
- A study of the development of N117
rhythmic abilities in first grade
children.
- An experimental study of the effect N066
of head balance on patterns of
posture and movement in man.
- A study of the effects of dance N119
experience of women prisoners at
Texas Women's Prison.
- A study of the learning process N104
and movement.
- A study of the relationship of N053
certain measures of rhythmic
ability and motor ability in girls
and women.
- A study of the unique contribu- N111
tions of ballroom, folk, modern,
and tap dance to the development
of certain traits in college women.
- An exploratory study of the use of N109
creative rhythmic movement ex-
periences in helping aggressive children.
- Studying A new method of studying the N144
rhythmic responses of children
together with an evaluation of the
method of simple observation. Illusion.
- Substantive Substantive elements about human N074
movement. Ratings generalizations
validation.

<u>Suggestions</u>	Dance research reference materials with suggestions for future research.	N075
<u>Symbol</u>	The meaning of movement on the contemporary American stage. Abstraction mimesis metaphor symbol.	N073
<u>Symbolic</u>	Movement and meaning development of a general theory. Somatic-sensory symbolic elements thought.	N089
<u>Synchroni- zation</u>	Rhythmic training and its relationship to the synchronization of motor-rhythmic responses. Unrelated.	N076
<u>Tap</u>	A study of the unique contributions of ballroom, folk, modern, and tap dance to the development of certain traits in college women.	N111
<u>Taxonomy</u>	Verbal aspects of dance. Taxonomy.	N026
<u>Teachers</u>	The interdivisional program in dance at teachers' college.	N127
<u>Teaching</u>	A simplified technique for teaching body alignment in standing its application and evaluation.	N128
	Television a tool for teaching dance.	N022
	Teaching dance as a career.	N121
	Teaching geometry through creative movement.	N099
	Video-tape a medium for the teaching of dance classroom.	N010
<u>Technique</u>	A simplified technique for teaching body alignment in standing its application and evaluation.	N128
	For the victims of our culture the Alexander Technique. Kinesthetic physiology.	N025

<u>Techniques</u>	Measurement of modern dance techniques.	N116
	The measurement of capacities for learning dance movement techniques.	R038
	The effects of an emphasis on conceptualizing techniques during early learning of a gross motor skill. Mental-practice.	N102
	Theory and techniques for motivating choreographic expression on secondary and college levels.	N130
<u>Television</u>	Television a tool for teaching dance.	N022
<u>Tempo</u>	Factorial analysis of motor co-ordination balance tempo two-handed-agility speed co-ordination body-balance perception.	N084
	Effect of two regulated changes of tempo upon emotional connotations in dance, film.	R052
<u>Test</u>	Gross motor rhythm test.	R030
	A study of reliability of a rhythm test and the relationship of past rhythmic experience to present rhythmic ability.	N115
	The development of a test of rhythmic response through movement of first grade children.	N126
<u>Testing</u>	Action research in rhythmic testing.	N008
<u>Tests</u>	Prediction of modern dance ability through kinesthetic tests.	R079
	Rhythm tests for the pre-school child.	N118
	Study of tests of kinesthesia. Specific athletes.	N083

<u>Texas</u>	A study of the effects of dance experience of women prisoners at Texas Women's Prison.	N110
<u>Theory</u>	Comment movement and meaning development of a general theory.	N090
	Theory and techniques for motivating choreographic expression on secondary and college levels.	N130
	Appias theory of acting eurhythmics for the stage. Dalcroze.	N097
	Movement and meaning development of a general theory somatic-sensory symbolic elements thought.	N089
<u>Therapy</u>	A place to begin. Therapy.	N021
	Dance as therapy for the mentally ill. Responses.	N046
	Opening doors through dance. Therapy kinesthetic.	N029
<u>Theses</u>	Recent studies in dance. Theses.	N031
<u>Thought</u>	Movement and meaning development of a general theory somatic-sensory symbolic elements thought.	N089
<u>Three</u>	A study in non-verbal communication exploration of visual auditory and kinesthetic responses in three groups, one blind, two deaf, three normal.	N123
	A study in non-verbal communication exploration of visual auditory and kinesthetic responses in three groups, one blind, two deaf, three normal.	N123
<u>Times</u>	The place of dance rituals from primitive times to the present.	N114
<u>Time- Estimation</u>	Selected kinesthetic and psychological differences between the highly skilled in dance and sports. Balance personality-assessment time-estimation characteristics.	N078

<u>Together</u>	A new method of studying the rhythmic responses of children together with an evaluation of the method of simple observation. Illusion.	N144
<u>Tonality</u>	Movement tonality.	N108
<u>Tool</u>	Television a tool for teaching dance.	N022
<u>Touch</u>	Sensory perception of the motor skilled kinesthesia balance hearing sight touch.	N100
<u>Training</u>	Rhythmic training and its relationship to the synchronization of motor rhythmic responses. Unrelated.	N076
<u>Traits</u>	On creativity. Individuals traits.	N001
	A study of the unique contributions of ballroom, folk, modern, and tap dance to the development of certain traits in college women.	N111
<u>Two-Handed-Agility</u>	Factorial analysis of motor co-ordination balance tempo two-handed-agility speed co-ordination body-balance perception.	N084
<u>Types</u>	How children learn the motor types of activities.	N136
<u>Unique</u>	A study of the unique contributions of ballroom, folk, modern, and tap dance to the development of certain traits in college women.	N111
<u>Uniqueness</u>	Self-evaluation one approach. Uniqueness. Capabilities.	N094
<u>Universality</u>	The biology of esthetics. Universality forms inherent.	N007
<u>Unrelated</u>	Intelligence and sensorimotor skill. Unrelated.	N059

<u>Unrelated</u>	Motor ability and creativity. Unrelated.	N060
	Relation of kinesthetic perception to a selected motor skill for elementary school children. Unrelated.	N063
	Rhythmic training and its relationship to the synchronization of motor-rhythmic responses. Unrelated.	N076
<u>Upper</u>	The influence of exercise in sports on kinesthetic sensitivity in the joints of the upper limbs.	N058
<u>Use</u>	An exploratory study of the use of creative rhythmic movement experiences in helping aggressive children.	N109
	A study in the use of movement education in conjunction with psycho-drama in group psycho-drama in group psycho-therapy.	N113
<u>Uses</u>	An exploration of the uses of rhythmic movement to develop aesthetic concepts in the primary grades. Action-study.	R072
<u>Utilized</u>	Rhythmic responsiveness of normal elementary school children an investigation of the developmental difference in the rhythmic responsiveness of the normal child when a rhythmic stimulus is utilized as contrasted with a musical stimulus spontaneous-rhythm physical-movement film.	N095
<u>Validation</u>	Substantive elements about human movement. Ratings generalizations validation.	N074

<u>Validation</u>	Development and validation of an objective measure of locomotor response to auditory rhythmic stimuli. Dancers rhythmeter.	N091
<u>Value</u>	The value of the motion picture as an instructional device in learning a motor skill.	R039
<u>Verbal</u>	Verbal aspects of dance. Taxonomy.	N026
	Comparison of motor creativity with verbal creativity motor ability and intelligence.	N071
	Effect of verbal instruction on athletic activity.	N057
<u>Victims</u>	For the victims of our culture the Alexander Technique. Kinesthetic physiology.	N025
<u>Video-Tape</u>	Video-tape a medium for the teaching of dance classroom.	N010
<u>Viewing</u>	Viewing oneself performing selected motor skills in motion pictures and its effect upon expressed concept of self in performance.	N006
<u>Visual</u>	A study in non-verbal communication exploration of visual auditory and kinesthetic responses in three groups, one blind, two deaf, three normal.	N123
	The role of kinesthetic and visual control in the movements performed by children of secondary school age.	R062
	An investigation of auditory and visual perception of rhythm and its relation to skill in selected motor activities.	R067
<u>Vocational</u>	Youth advice bureau vocational guidance movement assessment.	N014

<u>Warm-Ups</u>	The kinesiological analysis of five selected modern dance warm-ups.	N112
	Effect of attitude toward warm-ups on motor performance	N085
<u>Women</u>	A study of the effects of dance experience of women prisoners at Texas Women's Prison.	N119
	A study of the relationship of certain measures of rhythmic ability and motor ability in girls and women.	N053
	A study of the unique contributions of ballroom, folk, modern, and tap dance to the development of certain traits in college women.	N111
	Body structure and design factors in the motor performance of college women.	N040
	A study of the effects of dance experience of women prisoners at Texas Women's Prison.	N119
<u>Workshop</u>	Materials of myths an Ann Halprin workshop.	R035
<u>Young</u>	Movement experiences and learning a motor development program for young children. Perception aesthetics experience review.	R147
<u>Youth</u>	Youth advice bureau. Vocational guidance. Movement assessment.	N014

RECORD INDEX

- N001 On Creativity
Myers, M., and Myers, G.
Focus on Dance III. Ed. Bettie Jane Wooten, American Association for Health, Physical Education and Recreation, Washington, D. C., 1965, PP. 12-14.
- N002 Relationship Between Audio-Perceptual Rhythm and Skill in Square Dancing
Blake, P. A.
Research Quarterly. 10229-31, May, 1960
- N003 Effect of Different Lengths of Practice on the Learning of a Motor Skill
Harmon, J. M., and Oxendine, J. B.
Research Quarterly. 32034-41, March, 1961.
- N004 Relation of Kinesthetic Perception to a Selected Motor-Skill for Elementary School Children
Witte, F.
American Association of Health, Physical Education, and Recreation Research Quarterly. 330476-84, October, 1962.
- N005 Effects of Stress on Motor Performance and Learning
Ryan, E. D.
American Association of Health, Physical Education, and Recreation Research Quarterly. 330111-19, March, 1962.
- N006 Viewing Oneself Performing Selected Motor Skills In Motion Pictures and Its Effect Upon Expressed Concept of Self in Performance
Clifton, M. A., and Smith H. M.
American Association of Health, Physical Education, and Recreation Research Quarterly. 330369-75, October, 1962.
- N007 The Biology of Esthetics
Kellogg, R.
Impulse. 1963-4, PP. 9-15.
- N008 Action Research in Rhythmic Testing
Ashton, D.
Journal of Health, Physical Education, Recreation. 31037-9, November, 1960.
- N009 Dance for the Deaf Child
Murrel, M.
Journal of Health, Physical Education, Recreation. 30,4647.
- N010 Video-Tape A Medium For The Teaching of Dance
Hatfield, R.
Impulse. 1967, PP. 21-2.

- N011 The Dancers Posture
Sweigard, L. E.
Impulse. 1961, PP. 38-43.
- N012 Interaktions Symbolero Uppelevelse Av Emotioner I Ett
Experiment Med Filmad Rorelse. Interaction Symbols,
Experience of Emotions in an Experiment with Filmed
Movement Patterns
Wiechel, L.
Pedagogisk-Psykologiska Problem. 1967, No. 48, 5P.
- N013 K Problematice Typu Z Hlediska Spolecenske Adaptace
Ditete. Apropos of the Types From the Point of View
of Social Adjustment of the Child
Fischer, J.
Ceskoslovenska Psychiatrie. 1966, 62, 3, PP. 145-152.
- N014 Youth Advice Bureau, Vocational Guidance
North, M.
The Laban Art of Movement Guild Magazine, London, England,
No. 17, October, 1956, PP. 10-20
- N015 Movement Portraits
North, M.
The Laban Art of Movement Guild Magazine, London, England,
No. 16, March 1956, PP. 27-33
- N016 Relationship of Modern Dance Performance To Agility,
Balance, Flexibility, Power and Strength
Bushey, S. R.
American Association of Health, Physical Education and
Recreation Research Quarterly. 370313-16, October, 1966
- N017 Effect of Mental Practice On The Development of a
Certain Motor Skill
Clark, L. V.
Research Quarterly. 310560-0, December, 1960
- N018 From Ghana: The Dancers Environment
Williams, D.
Impulse. 1967, PP. 32-36.
- N019 African Dance As Education
Hanna, J. L.
Impulse. 1965, PP. 48-55.
- N020 The Role Of The Computer
Le Vasseur, P.
Impulse. 1965, PP. 25-7.

- N021 A Place To Begin
Genther, S.
Impulse. 1954, PP. 19-22.
- N022 Television A Tool For Teaching Dance
Bretz, R., and Hawkins, A., Interviewer
Impulse. 1960, PP. 51-3.
- N023 Razvitie Vospriyatiya I Deyatel Nost
Activity and Perceptual Development
Zaporozhets, A. V.
Voprosy Psikhologii. 1967, 13, 1, PP. 11-16.
- N024 Perceptual Differences of Selected Football Players
Dancers and Non-Performers To a Given Stimulus
Slusher, H. S.
American Association for Health, Physical Education and
Recreation Research Quarterly, 370424-8, October, 1966.
- N025 For the Victims of Our Culture The Alexander Technique
Leibowitz, J.
Dance Scope. Vol. 4, No. 1, Fall-Winter, 1967-68, PP.32-37.
- N026 Verbal Aspects of Dance
Focus on Dance IV Dance As A Discipline, Ed. Nancy W. Smith.
American Association for Health, Physical Education and
Recreation, Washington, D.C., 1965, PP. 16-19.
- N027 Abstraction Of A Dance Movement
Lippincott, G. L.
Journal of the American Association for Health, Physical
Education and Recreation. 24019-20, February, 1953.
- N028 New Directions in Dance and Music
Mettler, B.
Journal of the American Association for Health, Physical
Education and Recreation. 2307, February, 1952.
- N029 Opening Doors Through Dance
Chace, M.
Journal of the American Association for Health, Physical
Education and Recreation. 23010-1, March, 1952.
- R030 Gross Motor Rhythm Test
Ashton, D.
Research Quarterly. 240253-60, October, 1953.

Purpose To find a gross motor rhythm test to cut across folk, square, and modern dance. That is, to find elements of movement which appear in all three in which the whole body is in action under conditions similar to teaching situation.

Method Revised previous test to make it more useable.

Results A three-section test of a series of movement/rhythm problems utilizing student initiated movement judged on a 0-4 rating scale evaluating response to beat, correct rhythm pattern, ability to maintain and vary movement, ability to change direction, and style of movement. The test was found useable across all three fields and the sum of the judges ratings a fair evaluation.

N031 Recent Studies in Dance

Lockhart, A.

Journal of the American Association for Health, Physical Education and Recreation. 23023, November, 1952.

R032 Basic Dance and Sensory Perception

Nikolais, A.

Dance Observer. Volume 31, No. 1, January, 1964, PP. 6-8.

Purpose Discussion of nature of sensory perception in dance.

Method

Results A coordinate act of the senses - sense of dance, sense of motion. Kinesthetic sense is the major sense for dance, but sense of motion is more significant.

R033 Organizatsiya Posledovatel Nosti Deistvii u Cheloveka

The Organization of Sequences of Action in Man

Rokotova, N. A.

Voprosy Psikhologii. 1967, 13, 3, 65-74.

N034 Research Related to Dance As a Discipline

Focus on dance IV Dance as a Discipline. Ed. Nancy W. Smith.

American Association for Health, Physical Education and Recreation, Washington, D. C., PP. 82-93.

1. Concepts related to the development of creativity in modern dance - Araminta Little
2. An experimental investigation of the phenomenology of kinesthetic perception in its relation to certain measures of movement capacity - Vicki Hubbard
3. Dance-Drama and ritual in primitive societies - Jean Morrison
4. A study of the influences of a creative arts laboratory on selected personality characteristics of college students.

R035 Materials of Myths An Ann Halprin Workshop

Anderson, J.

Dance Magazine. Vol. XLII, No. 4, April, 1968, PP. 58-9.

Purpose Series of experiments designed to involve the audience in basic, almost archetypal, human experiences.

Method Workshop devised environments each centered on single theme. Created settings and appropriate movement situations for audience to live through.

Results Halprin believes myths possessed artistic and philosophical value as a product of a theatre where everything is experienced as if for the first time.

R036 Dynamic Kinesthetic Perception and Adjustment

Henry, F. M.

Research Quarterly. 240176-87. May, 1953.

Purpose To test hypothesis that accurate kinesthetic judgment is possible in absence of perceptual discrimination, especially kinesthesia as related to over-all integrated bodily response rather than adjustment of small muscle group.

Method Blindfolded subject responds to pressure on moveable handhold. 19 keep handhold still by adding or reducing pressure, 29 keep pressure constant by moving arm, 39 signal when perceive pressure change.

Results This test is dynamic, measuring accuracy of a response to changing situation. Quite different from tests previously used that measure degree of retention of kinesthetic image plus the accuracy of response to that image. High correlation 2, 3, lower on 1,3, probably represents reflex response to applied pressure changes.

N037 O Kachestve Differentsirovaniya Chelovekom Vremennykh Kharakteristik Tsiklicheskich Dvizhenii

On the Quality of Human Differentiation of the Temporal Characteristics of Cyclic Movements

Ivanov, N. Y.

Zhurnal Vyssei Nervnoi Deyatel'nosti. 1966, 16, 5, 927-8.

R038 The Measurement of Capacities for Learning Dance Movement Techniques

Benton, R.

Research Quarterly. 150138-40. 1944.

Purpose To determine a method for measurement of capacities for learning dance movement techniques.

Method Compare results on testing by already existing methods of motor educability, strength relative to weight, static and dynamic balance, sensory rhythm, motor rhythm, and agility with rating of dance skill by judges.

Results

1. Capacities for learning skill in dance movement techniques after instruction may be measured with fair accuracy by appropriate tests readily available.
2. Dance is not dependent on one element but a combination of several. Low correlation indicates the independence of the qualities which these tests attempt to measure. If dancer lacks any, she wouldn't be a good dancer. Therefore, no single test, but a combination, shows high relationship with rating of dance skill.

R039 The Value of The Motion Picture as an Instructional Device in Learning A Motor Skill

Lockhart, A.

Research Quarterly 150181-87, 1944.

Purpose To determine value of motion picture as educational device. Especially where understanding of motion and time is essential.

Method Compare experimental group exposed to film instruction with non-exposed control group for rate of improvement.

Results

1. Rate of improvement with movie is more consistent. Non-movie group hits plateaus.
2. Movie is most helpful after short practice period, after possibilities for improvement decreased. This is when the movie experience made a real difference between the two groups.

N040 Body Structure and Design Factors In The Motor Performance of College Women

Thorsen, M. A.

American Association for Health, Physical Education and Recreation Research Quarterly. 35 PT. 20418-32, October, 1964.

N041 Seven Guides to Creativity

Torrance, P. E.

Journal of Health, Physical Education and Recreation. 36026-7 8 April, 1965.

- N042 Better Dancing Through Better Body Balance
Sweigard, L. E.
Journal of Health, Physical Education, Recreation
36022-3, May, 1965.
- R043 Measurement of Kinesthesia
Scott, M. G.
Research Quarterly. 260324-41, October, 1955.
- Purpose To establish tests for measurement of kinesthesia.
- Method Tests of college women measures of kinesthesia and a couple of motor ability.
- Results Analysis of the quality and interrelationship of tests. Most tests adequate in reliability. No single test sufficiently highly related to criteria employed to be used alone as a measure of kinesthesia, though several combinations gave fair validity. Because of this fact and because of the very low number of significant intercorrelations, it was concluded that kinesthesia is composed of a series of specific functions.
- N044 Mental Practice and Physical Practice on Learning a Motor Skill
Twinning, W. E.
Research Quarterly. 200432-35, December, 1949.
- N045 Experiences in Movement, Art and Dance
Lindquist, J.
School Arts. 57017-18, May, 1958
- N046 Dance As Therapy For The Mentally Ill
Rosen, E. R.
Teachers College Record. 550215-22, January, 1954.
- N047 Motor Development and Decline
Bayley, N., and Espenschade, A. S.
Review of Educational Research Throughout Life Span
- N048 Creativity Intelligence and Achievement In Motor Skills
Gaier, E. L.
Theory Into Practice. 50190-3, October, 1966.
- N049 Modern Dance and Kinesiology
Glassow, R. B.
Journal of Health, Physical Education, Recreation,
37065, January, 1966.

N050 Effect of Rhythmic Accompaniment Upon Learning of
Fundamental Motor Skills

Beisman, G. L.

Research Quarterly. 1967, 38, 2, 172-176.

R051 Mental Practice a Review and Discussion

Richardson, A.

American Association of Health, Physical Education and
Recreation Research Quarterly. 38095-107, March, 1967.

Purpose Review experimental literature on the relation of mental practice to performance and to individual differences in the amount of gain.

Results Primary interest in the process of mental practice has focused on its general value in facilitating the initial acquisition of a perceptual motor skill, in aiding the continued retention of such a skill, or in improving the immediate performance of a skill. These studies conclude that:

1. Mental practice MP is associated with improved performance.
2. MP can lead to bilateral transfer effects.
3. Degree of familiarity with the physical performance of a task is related to efficiency of MP relative to physical practice PP.
4. Alternation of MP and PP during acquisition will be as good or better than PP alone.

5. Indication of optimum five minutes of MP at one time.

In summarizing individual difference studies, only games ability and one of the two studies on motor ability, imagining ability, and the capacity for selective attention show a significant relation to the amount of gain from MP.

R052 Effect of Two Regulated Changes of Tempo Upon Emotional
Connotations in Dance

Hays, J. C.

American Association for Health, Physical Education and
Recreation Research Quarterly. 380389-97, October, 1967

Purpose To examine the effect of two regulated changes of tempo upon emotional connotations in dance.

Method Films of a short dance study, performed and shown at three different tempos, to a control and an experimental group in order to determine emotional responses to the movement study at varied speeds, were analyzed to

ascertain actual changes in the movement.

Results Tended to enforce the concept that the effect of a change of tempo upon specific motion events was apparent in the actual performance of the motion events and upon the emotional connotation which these motion events might attempt to communicate. A single stimulus evoked similar associations, but the conformity of responses was dependent upon the individuals perceptive and empathic abilities. Variables in quality of movement, velocity of the specific body part viewed, and motivation may have caused variations in responses to the same motion-event series. The distortion of actual movement caused by a change of tempo and the lack of that distortion in a mechanically varied speed seemed to make little difference to viewers in terms of emotional association.

- N053 A Study of the Relationship of Certain Measures of Rhythmic Ability and Motor Ability in Girls and Women
Lemon, E., and Sherbon, E.
Research Quarterly Supplement 5082-85, March, 1934
- N054 Anthropokinetics
Stish, E. E.
Journal of Health, Physical Education, Recreation. 35033, November, 1964.
- N055 Exploring Movement Experiences
Hackett, L. C.
Journal of Health, Physical Education, Recreation. 36028-9 May, 1965.
- N056 A Teljesitmeny-Equivalencia Jelentosege A Mozgasokban
Performance Equivalence in Locomotion
Varjasi, E.
Magyar Pszichologiai Szemle. 1966, 23, 1-2, 62-68.
- N057 Effect of Verbal Instruction On Athletic Activity
Chiu, Y.
Acta Psychologica Sinica. 1965, No. 4, 353-60.
- N058 The Influence of Exercise in Sports On Kinesthetic Sensitivity In The Joints Of The Upper Limbs
Shang-Hsia, H.
Acta Psychologica Sinica. 1964, No. 1, 94-101.

- N059 Intelligence and Sensorimotor Skill
Walters, E. E.
American Journal of Occupational Therapy. 1964, 18, 3, 102-3.
- N060 Motor Ability and Creativity
Stroup, F., and Pielstick, N. L.
Perceptual and Motor Skills. 1965, 20, 1, 76-78.
- N061 Intelligence and The Improvement in a Gross Motor Skill
After Mental Practice
Start, K. B.
British Journal of Educational Psychology. 1964, 34, 1, 85-90
- R062 The Role of Kinesthetic and Visual Control in the Movements
Performed by Children of Secondary School Age
Khomenko, K. E.
Doklady Akademii Pedagogicheskikh Nauk FRSR. 1962, No. 2
85-88.
- Purpose To explore the role of kinesthetic and visual control in the movements performed by children of secondary school age.
Method 100 S's age 10-14, 50 boys and 50 girls, were instructed to reproduce arm movements of different amplitudes under the following conditions: visual reproduction of movement; reproduction on the basis of past memory; and production without any reinforcement on the basis of mental representation.
Results Accuracy increases with age and is affected by the type of control.
- N063 Relation of Kinesthetic Perception to a Selected Motor Skill for Elementary School Children
Witte, F.
American Association of Health, Physical Education, and Recreation Research Quarterly. 1962, 33, 3, 476-84.
- N064 The Contributions of Activity To Skill Learning
Mohr, D. R.
Research Quarterly of the American Association of Health, Physical Education, and Recreation. 1960, 31, 321-350.
- N065 Sensory Factors Involving Control of Movements Accompanying Periodic Stimuli
Fraise, P., and Oleron, G., and Paillard, J.
Annee Psychologique. 1958, 58, 321-338.

- N066 An Experimental Study of the Effect of Head Balance On
Patterns of Posture and Movement in Man
Jones, F. P., Gray, F. E., Hanson, J. A., and O'Connell, D. N.
Journal of Psychology. 1959, April, 47, 247-258.
- R067 An Investigation of Auditory and Visual Perception of
Rhythm and its Relation to Skill in Selected Motor
Activities
Huff, J.
Doctoral Dissertation, University of Utah. 1967. DA28,
1281-A

Purpose

- A. To compare the ability to perceive auditory and visual rhythms.
- B. To measure the ability to adapt the performance of a gross motor sequence to various rhythms presented auditorily and visually.
- C. To investigate the relationship of the abilities to successful performance in athletics and dance.

Method 88 S's - Students University of Utah, 35 varsity athletes, 22 modern dance majors, 16 male and 15 female with no experience. Auditory perception of rhythm measured by seashore test of rhythm visual, same but with light flashes motor. S's do gross motor sequence to repeated rhythms of audible tone and light flash. Information on dance and music experience obtained.

Results

1. No significant difference in auditory or visual perception in the three groups.
2. Motor performance either fairly accurate or highly inaccurate.
3. Dancers most accurate in auditory motor performance. Tennis players best on visual and total motor performance.
4. Significant difference in all motor performance between dancer/athlete and control.
5. Vision more closely associated with combined perception and combined performance than audition.
6. Perception is not highly related to motor rhythm performance.
7. There is no evidence that experience in dance or music contributes to rhythm perception or motor performance.

N068 Guidelines For Effective Modern Dance Lecture
Demonstrations
Samuel, M. M.
Doctoral Dissertation, University of Southern California,
1967. DA 28, 113-A

N069 The Role of Phenomenal Experience in Motor Learning
Schuman, D. L.
Doctoral Dissertation, Yeshiva, 1966. DA 27, 2170-B

R070 Effect of a Kinesthetic-Rhythm Activity To Music On
Selected Aspects of Behavior.
Fardig, S. P.
Doctoral Dissertation, Northwestern University, 1966.
DA 27, 4279-A

Purpose Empirical testing of propositions concerning salutary effects of rhythmic bodily movement upon behavior change. Concerned with the effect of a group experience in rhythmic bodily movement to music upon personality, creativity responses, self-concept expression rhythmic discrimination ability, and interest in music.

Method Factorial design, 271 third grade children, measure of personality, creativity, self-expression, rhythm, music interest, and 9 week dalcroze eurythmics program. Control music activity without bodily movement activity.

Results

1. Reduction of shyness and increase of venturesomeness can be effected by prescribed body movement activity.
2. Experimental treatment seems to hinder creativity responses as measured.
3. Music interest lessened by experimental treatment.
4. Propositions of salutary effects of rhythmic movement to music should be viewed with some reserve.

N071 Comparison of Motor Creativity with Verbal Creativity
Motor Ability and Intelligence
Wyrick, W.
Doctoral Dissertation, University of Texas, 1966.
DA 27, 2060-1-A

N072 An Exploration of the Uses of Rhythmic Movement to Develop
Aesthetic Concepts In The Primary Grades
Rowen, B. J. R.
Doctoral Dissertation, Columbia, 1966. DA 27, 2749-A

Purpose To describe a program for primary grade children which aims to develop aesthetic concepts through body movement and expression.

- A. To provide help for teachers in guiding children's aesthetic growth through an awareness of the components that are common to expression in all the arts.
- B. To demonstrate some significant contributions of rhythmic movement to aesthetic awareness.

Method Action-Study, Grade 2, Mineola, Long Island, N. Y.

Results

1. Program using movement to develop aesthetic concepts in primary grades is feasible and has positive effects upon the aesthetic awareness of the children and upon their over-all developmental patterns. Evidence found in involvement of children in their expressive responses in movement and in their art work and writings.
2. Most responsive to components of rhythm and quality of sensory perception.

N073 The Meaning of Movement On The Contemporary American Stage

Hurd, J. C.

Doctoral Dissertation, Michigan State, 1966. DA 27, 3157-A

N074 Substantive Elements About Human Movement

Iden, M. A.

Doctoral Dissertation, University of California, 1967.
DA 28, 1694-A

N075 Dance Research Reference Materials with Suggestions for Future Research

Moomaw, V., Editor

Washington, D.C., National Section of Dance, American Association for Health, Physical Education, and Recreation, 1958.

N076 Rhythmic Training and Its Relationship to the Synchronization of Motor-Rhythmic Responses

Groves, W. C.

Doctoral Dissertation, University of Arkansas, 1966.
DA 27, 702-3-A

R077 Construction of a Film Series: Movement Education In Physical Education

Tillotson, J. S.

Doctoral Dissertation, State University of Iowa, 1965.
DA 26, 2580

Purpose To construct a film series for teachers of elementary school children which would introduce and demonstrate the movement education concept to preservice and in-service training programs.

Method Content from questionnaires given to 52 specialists and 3 interviews with educators used to construct introductory film. Demonstrations developed from comments on introductory film and demonstrations taught by author.

Results Demonstration Films:

1. Use of two components of movement, time and space, in tag game situation.
2. Demonstration of techniques used as children are guided in their exploration with small apparatus: balls, hoops, and jump ropes.
3. Presentation of 4 problem solving steps as used by the writer in a 5th grade creative dance class lesson.

N078 Selected Kinesthetic and Psychological Differences Between the Highly Skilled in Dance and Sports

Carter, F. H.

Doctoral Dissertation, University of Iowa, 1965. DA 26,5850

R079 Prediction of Modern Dance Ability Through Kinesthetic Tests

Frial, P.I.S.

Doctoral Dissertation, University of Iowa, 1965. DA 26,5851

Purpose To investigate the prediction of modern dance ability through Kinesthetic tests.

Method 9 Women, 13 measures of Kinesthesia Administered.

Results

1. Kinesthetic perception is related to modern dance ability. There is a significant difference between the poor dancer and the good dancer in the following measures of kinesthesia: balance leap, balance stick, leg force, leg raising between the good dancer and non-dancer, in balance leap, balance stick, leg raising, and arm inclining. There is no significant relationship in any measure of kinesthesia between poor dancer and non-dancer. With these two groups combined and correlated with the good dancer group significant correlations exist in all the five tests.
2. There is an inverse relationship in leg raising between good dancer and poor/non-dancer, but otherwise, other 4 tests favor good dancer group.

3. Prediction formulae using test results:

- A. Criterion - 2.5 balance leap
 - 1.3 balance stick
 - 8.5 arm circling
 - 2 leg force
 - 1 leg raising
- B. Criterion - 2.4 balance leap
 - 1.2 balance stick
 - 1.9 leg force
 - 1 leg raising
- C. Criterion - 2.4 balance leap
 - 1.4 balance stick
 - 1 leg raising

N080 Concepts Related to the Development of Creativity in Modern Dance

Little, A. A.

Doctoral Dissertation, University of Southern California, 1966. DA 26, 7145.

N081 Development of an Objective Measure of Rhythmic Motor Response

Coppock, D. E.

Doctoral Dissertation, University of Iowa, 1964. DA 25,5094.

R082 A Study of Modern Dance in Relation to Communication Choreographic Structure and Elements of Composition

Turner, M. J.

Research Quarterly, 340219-27, 1963.

Purpose

1. To analyze how dance communicates through movement.
2. Efficacy of jury ratings as evaluative tool.
3. Test perceptual agreement of trained jury.
4. Weigh relative merits of choreographic structures.
5. Identify the essential elements of a movement theme in modern dance composition.

Method Samples of student choreographed dance studies were filmed. Dances then viewed and evaluated by trained jury on: a) their ability to communicate emotional and physical qualities; b) the type and structure of their composition, and c) their choreographic and artistic effectiveness.

Results Least agreement was reached by the jurors in rating the dances according to structural strength and in identifying their compositional type. Realistic vehicles of expression were more easily recognized than abstract ones. There was substantial agreement on the emotions communicated by each composition. Presence of all traditional dance elements appears unnecessary for effective communication.

- N083 Study of Tests of Kinesthesia
Wiebe, V. R.
Research Quarterly, 250222-30, May, 1954.
- N084 Factorial Analysis of Motor Co-Ordination
Cumbee, F. Z.
Research Quarterly, 250412-28, December, 1954.
- N085 Effect of Attitude Toward Warm-Ups on Motor Performance
Smith, J. L., and Bozymowski, M. F.
Research Quarterly
- N086 Principles For The Establishment and Conduct of Programs of Dance for Senior High School Girls
Calhoun, M. E.
Doctoral Dissertation, New York, 1963. DA 25, 2337.
- N087 Relationship of Static Equilibrium To Ability In Motor Activities
Estep, D. P.
Research Quarterly, 2805-15, March, 1957.
- N088 Relationship Between Selected Postural Divergencies and Motor Ability
Davies, E. A.
Research Quarterly, 2801-4, March, 1957.
- N089 Movement and Meaning Development of a General Theory
Ellfeldt, L., and Metheny, E.
Research Quarterly, 290264-73, October, 1958.
- N090 Comment Movement and Meaning Development of a General Theory
Hubbard, A. W.
Research Quarterly, 300244-5, May, 1959.
- N091 Development and Validation of an Objective Measure of Locomotor Response To Auditory Rhythmic Stimuli
Simpson, S. E.
Research Quarterly, 290342-8, October, 1958.
- N092 Kinesthesia in Relation To The Learning of Selected Motor Skills
Roloff, L. L.
Research Quarterly, 240210, 1953.

- N093 Slow Learners and Rhythm
Robbin, C.
The Instructor, 760114, February, 1967.
- N094 Self-Evaluation One Approach
Lehnhoff, A. K.
Educational Leadership, 20034-7, October, 1962.
- N095 Rhythmic Responsiveness of Normal Elementary School Children An Investigation of the Developmental Difference in the Rhythmic Responsiveness of the Normal Child When a Rhythmic Stimulus is Utilized as Contrasted With A Musical Stimulus
Blatt, A.
Doctoral Dissertation, New York University, 1964, DA 25,1315
- N096 Hypokinetic Disease
Wunderlich, R. C.
Academic Therapy Quarterly, 1967, 2, 3, 183-8.
- N097 Appias Theory Of Acting Eurhythmics For The Stage
Rogers, C. M.
Educational Theatre Journal, 190467-72, December, 1967.
- N098 The Phenomenology of Dance
Sheets, M. I.
Educational Theatre Journal, Vol. 18, No. 2, May, 1966, P. 184
- N099 Teaching Geometry Through Creative Movement
Complo, J. M.
The Arithmetic Teacher, 140576-8, November, 1967.
- N100 Sensory Perception Of The Motor Skilled
Rosentswieg, J.
Doctoral Dissertation, University of Southern California, 1963. DA 24, 3632.
- N101 The Phenomenology of Dance
Sheets, M. I.
Doctoral Dissertation, University of Wisconsin, 1963. DA 24, 1559.
- N102 The Effects of an Emphasis On Conceptualizing Techniques During Early Learning of a Gross Motor Skill
Egstrom, G. H.
Doctoral Dissertation, University of Southern California, 1961. DA 22, 3511.

- N103 Effect Of A Rhythmic and Sensory Motor Activity Program
On Perceptual Motor-Spatial Abilities of Kindergarten
Children
Painter, G.
Exceptional Children, 330113-6, October, 1966.
- N104 A Study of the Learning Process and Movement
Hogarth, K.
Master S Thesis, University of Wisconsin, In Process 1962.
- N105 Movement Related To Social Studies
Mayo, C.
Master S Thesis, New York University, In Process 1962.
- N106 Measures of Motor Ability Before and After Participation
In A High School Dance Class
Ayers, M.
Master S Thesis, University of Southern California, In Process
1960.
- N107 Measuring The Creativity of Modern Dancers
Withers, M. R.
Master S Thesis, University of Utah, 1960.
- N108 Movement Tonality
Albert, N.
Master S Thesis, Mills College, 1960.
- N109 An Exploratory Study of the Use of Creative Rhythmic
Movement Experiences In Helping Aggressive Children
Clark, F.
Master S Thesis, New York University, 1958.
- N110 An Evaluation of Dance Programs in the Intermediate Grades
Jensen, J. I.
Master S Thesis, University of Utah, 1957.
- N111 A Study of the Unique Contributions of Ballroom, Folk,
Modern, and Tap Dance to the Development of Certain
Traits in College Women
Doss, B.
Master S Thesis, Texas State College For Women, 1951.
- N112 The Kinesiological Analysis of Five Selected Modern Dance
Warm-Ups
Wallace, E. K.
Master S Thesis, Wellesley College, 1951.

- N113 A Study In The Use Of Movement Education In
Conjunction With Psycho-Drama In Group Psycho-
Therapy
Belew, R., and Vandenberg, E.
Master S Thesis, University of Wisconsin, 1949.
- N114 The Place of Dance Rituals From Primitive Times to the
Present
Kurtz, B.
Master S Thesis, University of Michigan, 1948.
- N115 A Study of Reliability of a Rhythm Test and the Rela-
tionship of Past Rhythmic Experience to Present
Rhythmic Ability
Sebree, J.
Master S Thesis, Smith College, 1947.
- N116 Measurement of Modern Dance Techniques
Dunlap, A.
Master S Thesis, Smith College, 1946.
- N117 A Study of the Development of Rhythmic Abilities in
First Grade Children
Starke, H.
Master S Thesis, Emory University, 1945.
- N118 Rhythm Tests for the Pre-School Child
Richardson, B. E.
Master S Thesis, University of Wisconsin, 1934.
- N119 A Study of the Effects of Dance Experience of Women
Prisoners at Texas Women's Prison
Montague, M. E.
Doctoral Dissertation, New York University, In Process 1962.
- N120 The Effect of Movement on the Adjustment and Coordin-
ation of a Selected Group of First Grade Children
Vitalone, G. E.
Doctoral Dissertation, New York University, In Process 1962.
- N121 Teaching Dance As A Career
Ingram, A. G.
Doctoral Dissertation, Columbia, 1962.
- N122 Evaluation of Movement Study For Drama and Music Majors
Youmans, J.
Directed Research, University of Southern California, 1961.

- N123 A Study in Non-Verbal Communication Exploration of Visual Auditory and Kinesthetic Responses in Three Groups - One, Blind; Two, Deaf; Three, Normal
Cope, I. J.
Doctoral Dissertation, MacMurry College, In Process 1960.
- N124 Commentary on Creative Dance in Elementary Schools With Filmed Anecdotes
Lee, M. S.
Doctoral Dissertation, Columbia, 1959.
- N125 Rhythmic Perception and Gross Motor Performance
Bond, M.
Doctoral Dissertation, University of Southern California, 1958.
- N126 The Development of a Test of Rhythmic Response Through Movement of First Grade Children
McCulloch, M. L.
Doctoral Dissertation, University of Oregon, 1955.
- N127 The Interdivisional Program in Dance at Teachers College
Kraus, R. G.
Doctoral Dissertation, Columbia University, 1952.
- N128 A Simplified Technique for Teaching Body Alignment in Standing its Application and Evaluation
Howland, I. S.
Doctoral Dissertation, 1951.
- N129 Esthetic Education Through Physical Education
Pillsbury, K. L.
Doctoral Dissertation, Columbia, 1950.
- N130 Theory and Techniques for Motivating Choreographic Expression on Secondary and College Levels
Hayes, E. R.
Doctoral Dissertation, Stanford University, 1949.
- N131 Rhythm and Movement In the Elementary School
Smith, R. L.
Doctoral Dissertation, Columbia University, 1949.

- N132 Coordination and Motor Learning
Henry, F. M.
College Physical Education Association Proceedings,
1956068-75.
- N133 Kinesiological Aspects of Sport
Ganslen, R. V.
College Physical Education Association Proceedings,
1956082-92.
- N134 Psychological Aspects of Human Movement and Perception
Hubbard, A. W.
College Physical Education Association Proceedings,
19560, 58-67.
- N135 Importance of Audience Participation in Dancing
in International Conference on the Role and Place of
Music in the Education of Youth and Adults
Kennedy, D. N.
Music in Education. PP. 183-7.
- N136 How Children Learn The Motor Types of Activities
Ragsdale, C. E.
49th Yearbook, University of Chicago Press, Chicago,
Illinois, 1950.
- N137 A Dancer Looks At Movement
Tiffany, M.
Report of the 39th Annual Conference of the Western
Society of Physical Education of College Women
- N138 The Significance of Human Movement a Phenomenological
Approach
Kleinman, S.
National Association for Physical Education of College
Women Report 1964 Workshop On Aesthetics and Human Move-
ment, P. 123-8.
- N139 The Role of Modern Dance in Higher Education
Hawkins, A.
Doctoral Dissertation, Teachers College, Columbia
University, 1952.
- N140 The Whole Secret is Feeling
Lidstone, J.
School Arts, 64022-8, March, 1965.

- R141 Aesthetic Learning Through Experiences in a Correlated Program of Instruction in Art, Music and Modern Dance

Miles, J. B.

Studies in Art Education, 4034045, Fall, 1962.

Purpose To discover relationship between an arrangement of coordinated laboratory experiences in art, music, and modern dance at college freshman level and development these factors presumably related to aesthetic experienced aesthetic perception, aesthetic attitude, physiological responsiveness, level of freedom from restraint.

Method S's tested, given correlated program, retested; control group not given program.

Results Aesthetic attitudinal changes and openness to and tolerance for visual material can be effected through a correlated program of instruction in art, music, and modern dance even though such a program might be insufficient for effecting changes in certain other manifestations of aesthetic behavior such as aesthetic perception, restraint level, and physiological responsiveness. It is noteworthy that isolated courses did not effect differences in aesthetic attitude compared with the same change of experimental group. Of hypotheses, only aesthetic attitude change supported with sufficient significance.

- N142 Children Consider The Dance Program

Hussey, Delia

Journal of Health, Physical Education, and Recreation, 1945, No. 1, P. 14.

- N143 Dancing For The Deaf

Judd, L.

Dance Magazine, 28054-5, April, 1954.

- N144 A New Method of Studying The Rhythmic Responses of Children Together With An Evaluation of the Method of Simple Observation

Heinlein, C. P.

Journal of Genetic Psychology, 360205-29, June, 1929.

- N145 All The Schools A Stage

Marshall, S., and Horner, L.

Times Educational Supplement, 25970581, February 26, 1965.

- N146 The Effects of Covert Rehearsal On The Development of a Complex Motor Skill
Corbin, Charles B.
Journal of General Psychology, 1967, 76, 2, 143-150.

- R147 Movement Experiences and Learning a Motor Development Program for Young Children
Jacobson, V.
Claremont Reading Conference Yearbook, 300128-33, 1966.

Purpose Investigate the perceptual-motor relationships in the learning of intellectual concepts.

Method Review of work - including Frostig program for development of visual perception. Also, Jean Ayers, Carl Delacato, Richard Held.

Results Aesthetic sense of self-knowledge that comes with body freedom and command. Cannot be measured but can be experienced or observed in another. Such knowledge can be discovered only through experiencing and being aware of the experiencing. It can never be imparted through abstract language symbols either oral or written for these symbolize experience. They can never be experience itself.

- N148 Functions of Mental Practice in Acquisition of Motor Skills
Vandell, R. A.
Journal of General Psychology, 290243-50, October, 1943.

- R149 Nonliteral Modern Dance. Its Nature Forms and Means of Communication
Turner, M. J.
American Association of Health, Physical Education, and Recreation, Research Quarterly, 36086095, March, 1965.

Purpose Observing and identifying:

- A. The product of non-literal modern dance.
- B. The processes by which it was created.
- C. Its component factors or elements.

Method Limited to one form of non-literal modern dance, that of Alwin Nikolais. Data obtained through 1) observation of professional dance classes and dance production; 2) observation of filmed dances choreographed by Nikolais and performed by his company.

Results Data analyzed and classified to define product, processes, and factors of choreography. Principles of choreography were then developed from the data. Non-literal dance shown to differ considerable from traditional modern dance in its conception, development, and basic philosophy.